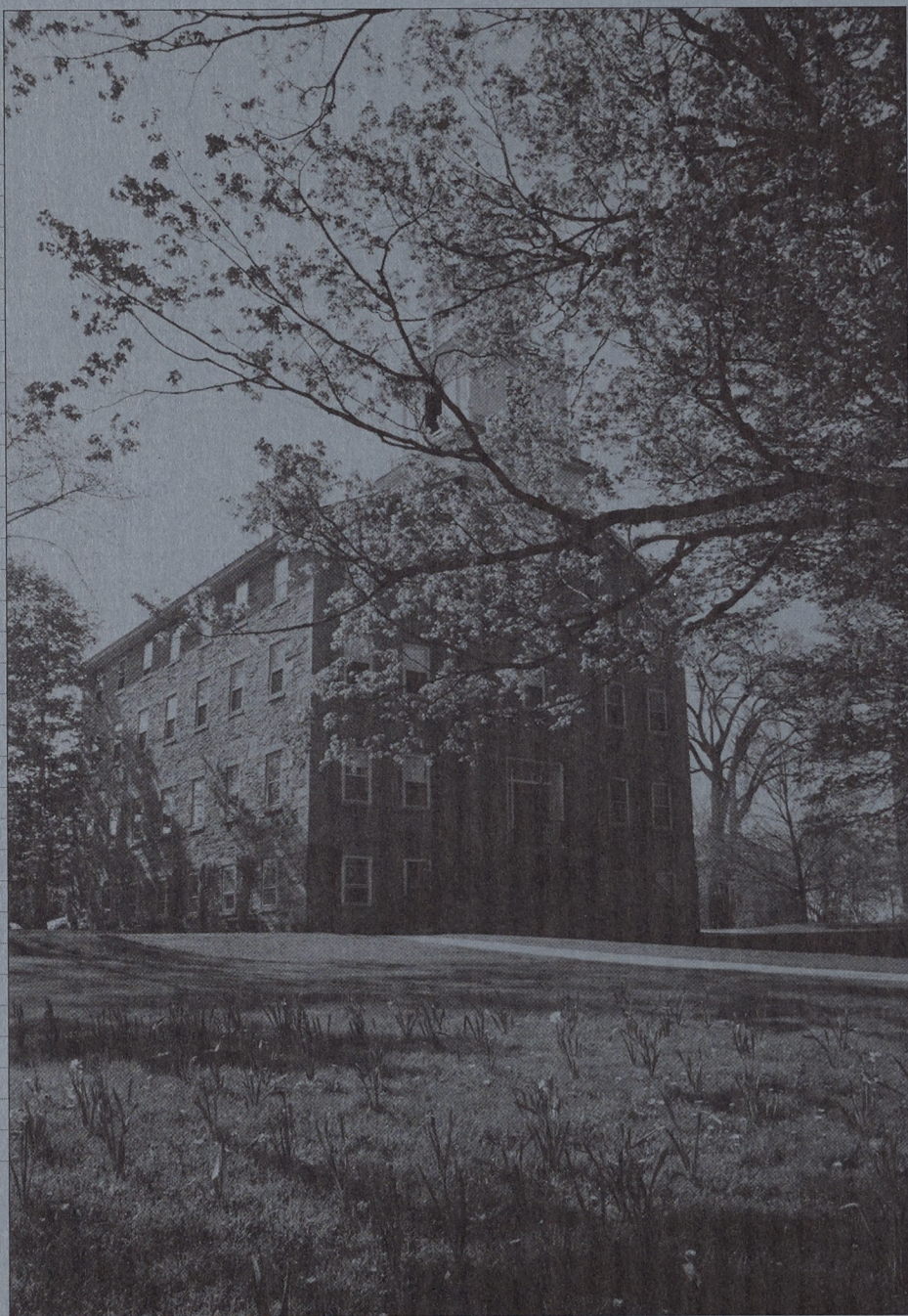


Middlebury College



Course Catalog Supplement, 1987-88

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HOW TO USE THIS SUPPLEMENT

As a guide to courses which will be offered at Middlebury College during the 1987-88 academic year, this supplement must be used in conjunction with the College's 1986-87 Registration Catalog. Some of the courses listed in that Catalog have been modified in one or more ways or have been dropped from next year's offerings while some new courses which do not appear in the Catalog have been added.

This document lists every course in the 1986-87 Catalog, indicating whether the course is being offered again without change, offered again but modified in certain respects, omitted in 1987-88 or dropped completely from the curriculum. It also gives all details for the new courses introduced since the Catalog was published. When using this supplement, please keep the following in mind:

1. If a course is being offered again without change, only its title and the term it will be offered are listed.
2. If a course has been changed in some way, only its title, the term offered, and changes (i.e. new instructor's name, new description, etc.) are listed here; all other information relating to the course is in the Catalog and students may assume that the Catalog information about the course still applies.
3. If a course is being omitted in 1987-88, its title is placed in (brackets).
4. If a course has been dropped entirely from the curriculum, its title is followed by the word, "Deleted."
5. As in the Catalog, Foundations Courses are preceded by an asterisk (*) in department copy.
6. All faculty (excluding those people not yet hired) for the 1987-88 academic year are listed at the beginning of their department copy.

FOUNDATIONS COURSES FOR 1987-88:

FOREIGN LANGUAGES DIVISION

- (CL 118 POLITICAL HISTORY AND THEORY OF GREECE AND ROME)
CL 121 THE CLASSICAL TRADITION OF THE LIBERAL ARTS AND SCIENCES. Spring.
CL 150 THE ANCIENT EPIC. Fall.
CL 152 GREEK TRAGEDY. Spring.
CL 175 GREEK PHILOSOPHY. Fall.
CS 133 MASTERWORKS OF CHINESE LITERATURE AND CIVILIZATION. Spring.
FL 201 INTRODUCTION TO LINGUISTICS. Fall.
FL 239 STRUCTURING THE CHAOS. Spring.
FR 115 REALISM. FRENCH FICTION FROM STENDHAL TO PROUST. Fall.
FR 120 WOMEN WRITERS IN FRANCE. Spring.
IT 290 DANTE: (IN ENGLISH). Spring.
RU 151 RUSSIAN LITERATURE'S GOLDEN AGE: 1830-1880. Fall.
RU 152 RUSSIAN MODERNISM: 1880-PRESENT. Spring.
SP 130 LATIN AMERICAN LITERATURE: CHRONICLES OF CHANGE. Fall.
(SP 231 CAPTAINS, KINGS AND CAUDILLOS (IN ENGLISH))

HUMANITIES DIVISION

- AR 101 AN INTRODUCTION TO ART AND ART HISTORY. Fall.
EL 110 CONTINENTAL FICTION. Spring.
(EL 111 EUROPEAN DRAMA: RENAISSANCE TO MODERN)
(EL 112 MYTHOLOGIES TIMELESS AND TIMELY, TRADITIONAL AND CONTEMPORARY)
(EL/AL 113 VISIONS OF NATURE)
EL 114 READING WOMEN'S WRITINGS. Fall.
MU 101 INTRODUCTION TO MUSICAL STYLES. Fall.
MU 105 PERSPECTIVES OF MUSIC. Spring.
MU 109 RUDIMENTS OF MUSIC. Fall, Spring.

PA 150 INTRODUCTION TO PHILOSOPHY. Fall, Spring.
 PA 180 INTRODUCTION TO MODERN LOGIC. Fall.
 (PA 190 ETHICS AND THE ENVIRONMENT)
 (PA 201 ANCIENT AND MEDIEVAL PHILOSOPHY)
 (PA 202 MODERN PHILOSOPHY FROM DESCARTES TO PEIRCE)
 PA 212 INTRODUCTION TO THE HISTORY OF MODERN SCIENCE. Fall.
 RE 105 AN INTRODUCTION TO THE ENGLISH BIBLE. Fall.
 RE 110 FOUNDATIONS OF WESTERN RELIGIOUS LIFE AND THOUGHT. Spring.
 RE 115 INTRODUCTION TO EASTERN RELIGIOUS THOUGHT. Fall.
 RE 220 THE SHAPING OF AMERICAN RELIGIOUS LIFE. Spring.
 TH 116 THE CREATIVE PROCESS: THEATRE, DANCE, FILM. Fall, Spring.
 TH 130 FILM FORM AND FILM SENSE. Fall.

NATURAL SCIENCES DIVISION

BI 125 INTRODUCTION TO BIOLOGY. Fall.
 BI 130 MAN AND DISEASE. Fall.
 BI 190 GENERAL ECOLOGY. Spring.
 CH 103 FUNDAMENTALS OF CHEMISTRY I (WITH LAB). Fall, Spring.
 CH 105 FUNDAMENTALS OF CHEMISTRY I (NO LAB). Fall, Spring.
 CH 170 CHEMISTRY FOR CITIZENS. Spring.
 CH 172 ENVIRONMENTAL CHEMISTRY: THE CHEMISTRY AROUND US. Fall.
 GL 104 EARTHQUAKES AND VOLCANOES. Spring.
 GL 152 EVOLUTION OF THE EARTH. Spring.
 GL 170 GLOBAL TECTONICS. Fall.
 MA 103 INTRODUCTION TO COMPUTERS. Fall, Spring.
 MA 105 FINITE MATHEMATICS: PROBABILITY, MATRICES AND PROGRAMMING. Spring.
 (MA 106 INTRODUCTION TO STATISTICAL SCIENCE)
 MA 213 COMPUTER SCIENCE I. Fall, Spring.
 MA 227 SET THEORY. Spring.
 (NS 128 CRYPTOLOGY)
 PH 101 THE NATURE OF THINGS. Spring.
 PH 155 AN INTRODUCTION TO THE UNIVERSE. Fall.

SOCIAL SCIENCES DIVISION

GG 100 GEOGRAPHY: A MODERN SYNTHESIS. Fall, Spring.
 HI 103 INDIVIDUALS AND ORGANIZATIONS. Fall.
 (HI 104 MODERN REVOLUTIONS)
 LI 206 THINKING LINGUISTICS. Fall.
 PS 101 INTRODUCTION TO POLITICAL SCIENCE. Fall.
 PS 107 POLITICS AND THE STUDIES OF POLITICS. Spring.
 SA 105 SOCIAL MAN AND SOCIAL ORDER. Fall.
 SA 191 INTRODUCTION TO WOMEN IN SOCIAL THOUGHT. Fall.

INTERDEPARTMENTAL

ID 100 INTENSIVE FRESHMAN WRITING SEMINAR. Fall.

FRESHMAN WRITING PROGRAM

Freshman Writing Courses in 1987-88 will be:

AMERICAN LITERATURE AND CIVILIZATION

AC 103A AMERICAN VALUES
 AC 103B THE AMERICAN INDIAN
 AL 103A AMERICAN PLACES
 AL 103B THE AMERICAN CHARACTER
 AL 103C BLACK AMERICAN LITERATURE

BIOLOGY

BI 102 SCIENCE IN SCIENCE FICTION
 BI 111 WRITING ON NATURE

CHEMISTRY

*CH 170 CHEMISTRY FOR CITIZENS

CHINESE

CS 114 WAR IN MODERN LITERATURE EAST AND WEST
 CS 220 MODERN CHINESE FICTION IN TRANSLATION

ENGLISH

EL 101 NARRATIVE FICTION
 EL 103 LYRIC AND NARRATIVE POETRY

EL 105 DRAMA
EL 107 JOURNAL AND ESSAY
EL 125 SHAKESPEARE
EL 170 THE STRUCTURE OF FICTION
EL 175 THE STRUCTURE OF POETRY

GEOGRAPHY

*GG 100 GEOGRAPHY: A MODERN SYNTHESIS

GEOLOGY

GL 101 NATIONAL PARKS
GL 112 ENVIRONMENTAL GEOLOGY

HISTORY

*HI 103 INDIVIDUALS AND ORGANIZATIONS
HI 110 FRESHMAN SEMINARS
HI 203 UNITED STATES HISTORY (1492-1861)
HI 204 UNITED STATES HISTORY (1861-PRESENT)

LINGUISTICS

LI 211 SOCIOLINGUISTICS

MATHEMATICS AND COMPUTER SCIENCE

*MA 103 INTRODUCTION TO COMPUTERS

MUSIC

*MU 101 INTRODUCTION TO MUSICAL STYLES
*MU 105 PERSPECTIVES OF MUSIC
MU 140 HISTORY AND THE ARTS IN THE ITALIAN RENAISSANCE
MU 201 MUSIC IN OUR TIME: PEOPLE, PLACES, DECADES

PHILOSOPHY

*PA 150 INTRODUCTION TO PHILOSOPHY

PHYSICS

*PH 101 THE NATURE OF THINGS

POLITICAL SCIENCE

PS 103 INTRODUCTION TO COMPARATIVE POLITICS
PS 104 INTRODUCTION TO AMERICAN POLITICAL PROCESSES

PSYCHOLOGY

PY 204 PERSONALITY PSYCHOLOGY

RELIGION

*RE 115 INTRODUCTION TO EASTERN RELIGIOUS THOUGHT

RUSSIAN

*RU 151B RUSSIAN LITERATURE: 1830-1880

SOCIOLOGY-ANTHROPOLOGY

*SA 105 SOCIAL MAN AND SOCIAL ORDER

THEATRE, DANCE AND FILM

*TH 130 FILM FORM AND FILM SENSE

DIVISION OF FOREIGN LANGUAGES

*FL 116 THE FAMILY AND THE NOVEL. Deleted.

*FL 201 INTRODUCTION TO LINGUISTICS. Fall. New Description. Many linguists consider language the definitively human attribute, the genetic endowment which, more than any other single factor, accounts for the success of the species and its ability to dominate the other species with which it shares this planet. This course is an introduction to the study of human language: its nature, structure and uses, with strong emphasis on its systematic, rule-governed, innate character and the ways in which individual languages may differ within observed "universal" parameters. Topics covered include phonology, morphology, syntax, psycho- and sociolinguistics, language relationships and language change. Method of instruction: primarily informal lecture with class participation, problem-solving and a few short papers or projects. Mrs. Olinick.

FL 247 FILM AND LITERATURE AS NARRATIVE ART. Deleted.

*FL 239 STRUCTURING THE CHAOS. Spring. New Description. This course will examine a variety of literary representations of human fate as essential mythologies--essential because they provide a response or context to problems so painful that they threaten to disrupt our lives, to drive us to madness or to the repudiation of our values--mythologies because no order is ever truly "given." The course will demonstrate that the myth lies in the making of the myth: the story, or composition of the text, bridges the distance between the experience of chaos and the need for order. Ms. Montgomery.

*FL 266 VERSIONS OF THE FOREIGN. Deleted.

FL 340 THE ART AND CRAFT OF TRANSLATION. Spring.

FL 405 SEMINAR: KAFKA. Deleted.

For additional courses offered in English, see also: (Replace old list with the following):

- CL 112 INTRODUCTION TO GREEK CIVILIZATION. Fall.
- CL 113 INTRODUCTION TO ROMAN CIVILIZATION. Spring.
- (*CL 118 POLITICAL HISTORY AND THEORY OF GREECE AND ROME)
- *CL 121 THE CLASSICAL TRADITION OF THE LIBERAL ARTS AND SCIENCES. Spring.
- CL 131 HISTORY OF CLASSICAL GREECE. Fall.
- CL 132 HISTORY OF ROME. Spring.
- *CL 150 THE ANCIENT EPIC. Fall.
- *CL 152 GREEK TRAGEDY. Spring.
- *CL 175 GREEK PHILOSOPHY. Fall.
- CL 220 INTRODUCTION TO GREEK SCIENCE. Fall.
- CL 450 HISTORY OF CLASSICAL LITERATURE (IN TRANSLATION). Spring.
- CS 114 WAR IN MODERN LITERATURE EAST AND WEST. Fall.
- *CS 133 MASTERWORKS OF CHINESE LITERATURE AND CIVILIZATION. Spring.
- CS 216 TRADITIONAL CHINESE FICTION IN TRANSLATION. Fall.
- CS 220 MODERN CHINESE FICTION IN TRANSLATION. Spring.
- CS 225 CLASSICAL CHINESE POETRY IN TRANSLATION. Fall.
- (CS 260 INTRODUCTION TO LITERARY THEORY AND CRITICISM)
- *FR 115 REALISM: FRENCH FICTION FROM STENDHAL TO PROUST. Fall.
- *FR 120 WOMEN WRITERS IN FRANCE. Spring.
- JA 216 TRADITIONAL JAPANESE LITERATURE IN TRANSLATION. Fall.
- JA 220 THE NOVEL AND THE NOVELIST IN MODERN JAPAN. Spring.
- *IT 290 DANTE. Spring.
- (IT 298 THE ITALIANS)
- *RU 151 RUSSIAN LITERATURE'S GOLDEN AGE (1830-1880). Fall.
- *RU 152 RUSSIAN MODERNISM (1880-PRESENT). Spring.
- (RU 351 DOSTOEVSKY)
- RU 352 TOLSTOY. Fall.
- RU 353 RUSSIAN THEATRE. Spring.
- (RU 354 CHEKHOV)
- (RU 356 RUSSIAN LITERATURE OF THE 60'S and 70'S)

DIVISION OF NATURAL SCIENCES

(*NS 128 CRYPTOLOGY: THE MATHEMATICS AND TECHNOLOGY OF MAKING AND BREAKING SECRET CODES)

AMERICAN LITERATURE AND CIVILIZATION

Professors: John McWilliams (chair), Stephen Donadio (on leave all year). Assistant Professors: John Gilkeson (Dana Faculty Fellow in American Civilization), Joanne Jacobson, Karl Lindholm, Brett Millier. Instructor: Kenneth Myers.

Major Program. Mr. McWilliams will direct the American Literature major in 1987-88. Ms. Jacobson will direct the American Civilization major in 1987-88.

AMERICAN LITERATURE

AL 103 TOPICS IN AMERICAN LITERATURE AND AC 103 TOPICS IN AMERICAN CIVILIZATION. Fall, Spring. New Description. Study of a particular

theme, genre or movement in American Literature or a particular subject of inquiry in American Civilization. Topics will differ in each section. All sections will fulfill the freshman writing requirement. AL 103 also may be counted as an elective within the American Literature major, or within the American Civilization major; AC 103 may be counted within the American Civilization major.

AL 103A AMERICAN PLACES. Fall. Ms. Millier.

AL 103B THE AMERICAN CHARACTER. Fall. Mr. Lindholm.

AL 103C BLACK AMERICAN LITERATURE. Spring. Mr. Myers.

AL 103D THE AMERICAN SHORT STORY. Deleted.

AC 103A AMERICAN VALUES. Fall. Mr. Gilkeson.

AC 103B THE AMERICAN INDIAN. Fall. Mr. McWilliams.

(AL/EL 113 VISIONS OF NATURE). Offered in 1988-89.

AL 201 AMERICAN LITERATURE: 1620-1830. Fall. Ms. Jacobson.

AL 202 AMERICAN LITERATURE: 1830-1865. Fall. Mr. Myers.

AL 203 AMERICAN LITERATURE: 1865-1940. Spring.

AL 240 AMERICAN AUTOBIOGRAPHY. Spring. New Course. This course will consider the many kinds of "autobiographical" writing in which Americans have expressed themselves from the 17th century to the present. We will explore changing conceptions of autobiography over this period, focusing on the forms which authors have located and devised in order to make sense of their own experience. In particular, the course will be concerned with what access to a "literary" voice has meant to Americans writing about themselves, and with the special imperatives of autobiography for women and minorities. Texts will include work by the following writers: Mary Rowlandson; Jonathan Edwards; Benjamin Franklin; Frederick Douglass; Walt Whitman; Emily Dickinson; Alice James; Henry Adams; Eugene O'Neill; Wright Morris; Mary McCarthy; Scott Momaday; Alfred Kazin; Maya Angelou. Ms. Jacobson.

AL 260 FICTION BY AMERICAN WOMEN. Spring. New Description. This course will examine novels and short stories written by American women from the 1890's to the present. We will explore the following central questions: What issues have been of particular concern to American women writers of fiction? How have these concerns evolved over the past century? Is there such a thing as a "female" literary voice? What part have works by women played in the process of establishing a canon of "standard" texts? Readings will be chosen from the work of the following writers: Sarah Orne Jewett; Mary E. Wilkins Freeman; Kate Chopin; Charlotte Perkins Gilman; Edith Wharton; Willa Cather; Zora Neale Hurston; Tillie Olsen; Joan Didion; Mary Gordon; Toni Morrison; Joan Chase; Sue Miller; Louise Erdrich. Ms. Jacobson.

AL 301 THE AMERICAN NOVEL: I. Fall. Ms. Millier.

AL 302 THE AMERICAN NOVEL: II. Spring. Mr. McWilliams.

AL 306 AMERICAN POETRY: 1620-1920. Spring. New Description. American poetry from the Puritans to the first generation Moderns. Particular attention will be paid to works by Anne Bradstreet, Edward Taylor, Walt Whitman, Emily Dickinson, Robert Frost, William Carlos Williams, and Wallace Stevens. Mr. Myers.

AL 307 TOPICS IN TWENTIETH CENTURY AMERICAN POETRY. Spring.

AL/EL 309 CONTEMPORARY LITERATURE. Spring. (See English Department listings for description.)

(AL/EL 312 MODERN POETRY)

(AL 320 THE AMERICAN EPIC). Offered in 1988-89.

AC/AL 330 STUDIES IN AMERICAN CIVILIZATION: AMERICAN CULTURE IN THE 1960'S. Deleted.

AL/AC 340 REGIONALISM: AMERICAN WILDERNESS. Spring. New Title and Description. An historical survey of the changing experience of undomesticated environments as revealed by both written and painted works created between 1620 and 1880. Mr. Myers.

EL/AL 405 H.L. MENCKEN'S DEFENSE OF WOMEN. Fall. (See English Department listings for description.)

(AL/AC 420 AMERICAN CULTURE: 1941-1961). Offered in 1988-89.

AL 450 SEMINAR IN MAJOR AUTHORS. Spring. Author for 1987-88 will be Ernest Hemingway. Mr. McWilliams.

AL 455 BLACK AMERICAN LITERATURE. Deleted. (See AL 103C, above.)

AL 500 SPECIAL RESEARCH. Fall, Spring.

AL 700 SENIOR RESEARCH. Fall, Spring.

AL 704 SENIOR SEMINAR. Fall. Mr. McWilliams.

AMERICAN CIVILIZATION

Major Program. Ms. Jacobson will be Director of the major in American Civilization. Advisers remain the same with the following exceptions: Mr. Sax (Economics), Ms. Nelson (Sociology/Anthropology), Mr. Perry (Theatre, Dance and Film).

AC 103A AMERICAN VALUES. Fall. New Number. Mr. Gilkeson.

AC 103B THE AMERICAN INDIAN. Fall. New Course. Mr. McWilliams.

AC 220 TOPICS IN AMERICAN CIVILIZATION: AMERICAN CULTURE, 1919-1929. Spring. New Description. An inquiry into cultural developments in the United States during the 1920's, the first so-called modern decade. Topics include postwar disillusionment, the expatriates, small-town America, the revolution in manners and morals, the modern woman, the New Negro, the social sciences, machine-age civilization, and the New South. Readings will include works by E.E. Cummings, T.S. Eliot, Ernest Hemingway, Sinclair Lewis, F. Scott Fitzgerald, Willa Cather, Margaret Mead, Robert and Helen Lynd, and John Dos Passos. Mr. Gilkeson.

AC 330 STUDIES IN AMERICAN CIVILIZATION: AMERICAN CULTURE: 1929-1941. Fall. New Description. This course will examine American culture of the period from the Stock Market Crash through the bombing of Pearl Harbor and will focus on the ways in which Americans responded to the crisis of the Depression. Topics covered will include the New Deal, documentary photography, the Federal Writers project, regionalist painting, detective fiction, children's literature, gangster and fantasy films, and literature, film and music of the migrant worker experience, and other major literary works. We will also be concerned with the larger problem of defining an "American culture." Ms. Jacobson.

AL/AC 340 REGIONALISM: AMERICAN WILDERNESS. Spring. (See American Literature course listings for description.)

(AL/AC 420 AMERICAN CULTURE: 1941-1961)

- I. Courses required of all students:
Replace 4. with HI 204 UNITED STATES HISTORY (1861-1945)
In 9., bracket (SA 370 SOCIOLOGY OF INEQUALITY)

- II. Replace all course information with the following:

AMERICAN CIVILIZATION

AC 103A AMERICAN VALUES. Fall.

AC 103B THE AMERICAN INDIAN. Fall.

AC 220 TOPICS IN AMERICAN CIVILIZATION: AMERICAN CULTURE 1919-1929. Spring.

AC 330 STUDIES IN AMERICAN CIVILIZATION: AMERICAN CULTURE IN THE
1930'S. Fall.
(AL/AC 420 AMERICAN CULTURE: 1941-1961)

AMERICAN LITERATURE

AL 103 TOPICS IN AMERICAN LITERATURE. Fall, Spring.
AL 203 AMERICAN LITERATURE: 1865-1940. Spring.
AL 301 THE AMERICAN NOVEL: TWENTIETH CENTURY. Fall.
AL 302 THE AMERICAN NOVEL: TWENTIETH CENTURY. Spring.
(AL 306 AMERICAN POETRY: 1620-1920)
AL 307 TOPICS IN TWENTIETH CENTURY AMERICAN POETRY. Spring.
(AL/AC 420 AMERICAN CULTURE: 1941-1961)
(AL 440 REGIONALISM: LITERATURE OF NEW ENGLAND)
AL 450 SEMINAR IN MAJOR AUTHORS. Fall.

ART

AR 202 TWENTIETH CENTURY PAINTING AND SCULPTURE. Spring.
(AR 207 AMERICAN PAINTING: 1750-1900)
AR 211 AMERICAN DESIGN. Fall.
AR 308 LATE MODERN ART. Fall.
(AR 314 AMERICA: THE VISUAL ENVIRONMENT)
AR 403 SEMINAR IN MODERN ARCHITECTURE. Fall.
AR 407 SEMINAR IN AMERICAN ART: WINSLOW HOMER. Fall.

ECONOMICS

EC 150 INTRODUCTORY ECONOMICS (MACRO). Fall, Spring.
EC 155 INTRODUCTORY ECONOMICS (MICRO). Fall, Spring.
(EC 300 CURRENT PROBLEMS IN ECONOMIC POLICY)
EC 310 ECONOMICS OF INVESTING IN SECURITIES. Fall.
EC 365 ENVIRONMENTAL ECONOMICS. Fall.
(EC 465 PUBLIC POLICY TOWARD BUSINESS)
EC 475 MONETARY THEORY AND FINANCIAL INSTITUTIONS. Spring.
(EC 485 LABOR ECONOMICS)

GEOGRAPHY

GG 211 ECONOMIC GEOGRAPHY. Spring.
GG 212 URBAN GEOGRAPHY. Spring.
GG 230 SOCIAL ASPECTS OF ENVIRONMENTAL CONSERVATION. Fall.

HISTORY

HI 361 COLONIAL AMERICA. Fall.
HI 362 THE ERA OF THE AMERICAN REVOLUTION. Spring.
(HI 363 JEFFERSONIAN AND JACKSONIAN AMERICA: 1800-1848)
HI 364 CIVIL WAR AND RECONSTRUCTION. Fall.
(HI 365 VICTORIAN AMERICA (GILDED AGE))
(HI 366 AMERICAN FRONTIERS)
HI 367 TWENTIETH CENTURY AMERICA: 1920-1948. Fall.
HI 368 TWENTIETH CENTURY AMERICA: 1948-PRESENT. Spring.
(HI 371 BLACK HISTORY)
(HI 376 AMERICAN LABOR HISTORY)
(HI 378 LOCAL HISTORY)
HI 405A READINGS IN AMERICAN HISTORY: GREAT AMERICAN HISTORIANS. Fall.
HI 405B READINGS IN AMERICAN HISTORY: THE HISTORY OF AMERICAN
THOUGHT, 1789-1930. Spring.
(HI 415 TOPICS IN AMERICAN HISTORY)
HI 422 RESEARCH AND WRITING IN U.S. HISTORY. Spring.

MUSIC

MU 326 MUSIC IN AMERICA. Spring.

POLITICAL SCIENCE

PS 208 CONGRESS. Spring.
(PS 305 AMERICAN CONSTITUTIONAL LAW: THE FEDERAL SYSTEM)
PS 306 AMERICAN CONSTITUTIONAL LAW: THE BILL OF RIGHTS. Fall.
(PS 312 POLITICS OF THE FEDERAL BUREAUCRACY)
PS 314 AMERICAN URBAN POLITICS. Spring.
(PS 402 SEMINAR IN CONSTITUTIONAL LAW)
(PS 410 SEMINAR: POLITICAL PARTIES AND INTEREST GROUPS)
PS 425 SEMINAR: THE AMERICAN PRESIDENCY. Fall.

RELIGION

RE 302 MODERN VIEWS OF GOD AND RELIGIOUS LIFE: THE 20TH CENTURY. Spring.

- RE 306 THE PURITAN TRADITION IN AMERICA. Spring.
 RE 307 THREE AMERICANS: JAMES, DEWEY AND NIEBUHR. Spring.
 RE 308 SEMINAR IN AMERICAN RELIGIOUS HISTORY. Fall.

SOCIOLOGY/ANTHROPOLOGY

- SA 191 INTRODUCTION TO WOMEN IN SOCIAL THOUGHT. Fall.
 SA 307 SOCIAL MOVEMENTS AND COLLECTIVE ACTION. Fall.
 (SA 308 SOCIOLOGY OF RELIGION)
 SA 315 SOCIOLOGY OF EDUCATION. Spring.
 (SA 316 SOCIOLOGY OF YOUTH)
 SA 321 NATIVE PEOPLES OF NORTH AMERICA. Spring.
 (SA 330 PERSPECTIVES OF AMERICAN SOCIETY AND CULTURE)
 SA 343 AMERICAN COMMUNITY STUDIES. Fall.
 (SA 344 URBAN SOCIOLOGY)
 SA 345 WORK, LEISURE AND SPORT. Spring.
 (SA 370 SOCIOLOGY OF INEQUALITY)
 SA 385 MEDICAL SOCIOLOGY. Spring.
 (SA 387 SOCIOLOGY OF LAW)
 SA 388 DEVIANCE. Fall.
 (SA 390 SOCIOLOGY OF WOMEN)

THEATRE, DANCE, AND FILM

- (TH 216 AMERICAN DRAMA)
 (TH 234 AMERICAN FILM GENRES)
 TH 236 TELEVISION AS CULTURE. Fall.

III.

- AC 400 SEMINAR IN AMERICAN CIVILIZATION (JUNIOR YEAR). Fall.
 AC 401 RESEARCH SEMINAR (JUNIOR YEAR). Spring.
 AC 500 INDEPENDENT STUDY. Fall, Spring.
 AC 700 SENIOR THESIS. Fall, Winter. The thesis is to be submitted no later than the last Thursday of Winter Term.
 AC 704 SEMINAR IN AMERICAN CIVILIZATION (SENIOR YEAR). Spring.

ART

Professors: Glenn Andres, David Bumbeck (on leave winter and spring terms), John Hunisak. Associate Professors: Eric Nelson, Christopher Wilson. Assistant Professors: James Butler, David Napier (on leave all year), Kirsten Powell, Richard Saunders (College Curator). Visiting Assistant Professors: Andrea Carroll, John Huddleston.

Major Program. Students should note that only AR 101 satisfies the beginning work requirement in art history. Also, the information under Art History Emphasis should be replaced with the following: Five additional courses of choice in art history (two of which must be devoted to art before 1800 or non-Western art); AR 400 (which must be taken previous to the commencement of the senior thesis and is recommended before any foreign study); and two terms of AR 710 (senior work), normally fall and winter, in order to write a senior thesis. AR 325, Special Problems in Art History, will be offered on a rotating basis with different faculty members offering a variety of "problems" which are methodological in focus. It is strongly recommended that all art history majors take one of these offerings.

*AR 101 AN INTRODUCTION TO ART AND ART HISTORY. Fall.

AR 102 MODERN ART. Changed to AR 202, below.

AR 103 INTRODUCTION TO FAR EASTERN ART. Spring. New Description. As an introduction to the art of the Far East, this course will examine the painting, sculpture, architecture, and decorative arts of India, Southeast Asia, China, and Japan. Works of art will be studied in terms of style, iconography, and social and historical context. Two lectures and one discussion per week. Ms. Powell.

AR 115 INTRODUCTION TO PRIMITIVE ART: AFRICA, OCEANIA AND THE AMERICAS. Spring. Staff.

AR 201 ITALIAN RENAISSANCE PAINTING AND SCULPTURE. Fall. New Title and Description. A selective survey of Italian Renaissance art, with an emphasis upon painting and sculpture, examining leading masters in their artistic, intellectual, and religious context. Mr. Wilson.

AR 202 MODERN ART. Formerly AR 102. Spring. New Number and Description. A survey of painting and sculpture from Post-Impressionism to the present. In addition to study of the artistic development of major figures and movements, attention will be paid to the political, social, and literary contexts to which the masters of modernism belong. Emphasis will also be placed on artists' and critics' statements about developments in modern art. Ms. Powell.

(AR 207 AMERICAN PAINTING: 1750-1900)

AR 209 STUDIO ART I. Fall. Addition to Description. Required of all art majors. Junior and senior non-majors will be wait-listed in the order of their requests at registration and places assigned to them after art majors have been accommodated. Students are required to take AR 210 in order to receive credit for AR 209. Each section limited to 22 students. Mr. Bumbeck, Mr. Nelson, Mr. Butler, Mr. Huddleston.

AR 210 STUDIO ART II. Spring. New Description. A continuation of AR 209 which is split into two six-week segments. In the first segment we will introduce three-dimensional concepts with the media of clay, cardboard, plaster and mixed materials. In the second segment we will introduce applied color theory through the medium of casein paint. Ms. Carroll, Mr. Butler, Mr. Huddleston.

AR 211 AMERICAN DESIGN. Spring. New Description. A history of architecture and the minor arts in America from its colonization through the mid-20th century. Mr. Andres.

AR 216 ART OF THE MIDDLE AGES: MEDIEVAL ART AND ARCHITECTURE. Spring. New Description. An examination of selected monuments and works of art of Byzantium and Europe, 500-1300. Interaction between indigenous artistic impulses, historical revivalism and influence from abroad will be explored. Mr. Wilson.

(AR 217 EIGHTEENTH CENTURY EUROPEAN ART AND ARCHITECTURE)

AR 218 HISTORY OF PHOTOGRAPHY. Spring. New Description. A survey of the art from its inception to the present. We will trace developments as they occurred within the photographic tradition, and as they relate to other art forms. Mr. Huddleston.

AR 219 ANCIENT ART. Formerly AR 311. Spring. New Number and Description. Architecture, painting, and sculpture in Egypt, the ancient Near East, and Greece to the rise of the Roman Empire will be examined as products of their cultures and for the development of attitudes and processes basic to our Western artistic tradition. Mr. Andres.

(AR 301 MODERN ARCHITECTURE)

(AR 302 BAROQUE ART: PAINTING, SCULPTURE AND ARCHITECTURE OF SEVENTEENTH CENTURY ROME)

AR 303 NORTHERN EUROPEAN ART: 1300-1600. Deleted.

(AR 304 NORTHERN BAROQUE ART)

AR 305 PAINTING AND SCULPTURE OF NINETEENTH CENTURY EUROPE. Spring.

AR 307 THE ART OF THE CITY. Fall.

(AR 308 LATE MODERN ART)

AR 309 PAINTING. Fall.

AR 310 PAINTING. Spring. Staff.

AR 311 ANCIENT ART. Deleted. Changed to AR 219, above.

(AR 312 ROMAN ART)

AR 314 AMERICA: THE VISUAL ENVIRONMENT. Deleted.

AR 315 PRINTMAKING. Fall.

AR 316 PRINTMAKING. Spring. Ms. Carroll.

AR 317 FILM AND MODERNISM IN THE ARTS. Spring. New Description. The development of cinema is examined in relation to the major aesthetic movements in this century. Expressionism, constructivism, futurism, surrealism, dadaism, cubism, and other theoretical movements are shown to have an influence upon film theory and film-making. Readings, screenings, oral reports and research papers. (AR 202 and TH 117 (or FL 252.)) Mr. Perry.

AR 319 SCULPTURE. Fall. Limited to 15 students.

AR 320 SCULPTURE. Spring. Delete final sentence of description.

(AR 321 INDIAN AND INDONESIAN ART)

AR 325 SPECIAL PROBLEMS IN ART HISTORY: BIOGRAPHY OF ARTISTS AS ART HISTORICAL METHOD. Fall. New Course. From the Renaissance onward, art history was often equated with "lives of the artists," but the use of biographical evidence in art historical writing has frequently been regarded with suspicion during the 20th century. Recently there has been a resurgent interest in incorporating evidence and insights gleaned from the biographies of artists to illuminate the meaning of art works. This recent trend will be the focus of this course. Among the artists whose work will be scrutinized in the light of biographical evidence will be Donatello, Michelangelo and Bernini, as well as Watteau, Rodin, Van Gogh, Cezanne, and O'Keeffe. Mr. Hunisak.

AR 327 PHOTOGRAPHY. Fall. New Course. An introduction to the discipline. Exploration of traditional and contemporary photographic expression, including portraiture, landscape, street, and collage. Some study of the history of photography. Basic camera and darkroom techniques. Limited to 15 students. (AR 209 and AR 210.) Mr. Huddleston.

AR 328 PHOTOGRAPHY. Spring. New Course. A continuation of AR 327. Mr. Huddleston.

AR 331 SPECIAL TOPICS IN STUDIO: IMAGE, OBJECT AND CONTEXT. Fall. New Description. A studio course in which investigations will center on how the content of a work of art is affected not only by what it is, but by how it is made and the context in which it is presented. Drawing, painting and sculpture techniques will be studied, often in combination. Slide lectures and individual research in collage, assemblage, Dada, Arte Povera, installation and site-work will provide the historical basis for this course. Limited to 15 students. (AR 209 and AR 210.) Mr. Nelson.

AR 332 SPECIAL TOPICS IN STUDIO: WATER COLOR PAINTING. Spring. New Description. This course will deal with problems of still life, interiors, landscape, and the figure, using transparent water color as the medium. Various papers, painting methods, scales, and formats will be explored. The history of water color will also be discussed, as will contemporary use of the medium. Class format will be work sessions, outside assignments, and critiques. Approximately \$125 in materials. (AR 209 and AR 210.) Mr. Butler.

AR 400 THE ART WORK AND THE WORD. Spring.

AR 401 SEMINAR IN MODERN ART: SYMBOLISM AND ART NOUVEAU. Fall. New Description. From Gauguin in Pont-Aven to esoteric Symbolists in Brussels to the whiplash line of international Art Nouveau architecture, this course will explore artist and themes in European Symbolism and Art Nouveau at the end of the 19th century. Topics to be discussed include the 19th century origins of Symbolism and Art Nouveau, Moreau and Redon, Gauguin and the painters of Pont-Aven, esoteric symbolism in France and

Belgium, Munch and Scandinavia, French and Belgian Art Nouveau, the Jugendstil and the Vienna Secession. Limited to 12 students. Ms. Powell.

AR 403 SEMINAR IN MODERN ARCHITECTURE: ARCHITECTURE AFTER THE MASTERS. Fall. New Description. An investigation of recent architectural trends beginning with the climactic work of Wright, Gropius, Mies and Le Corbusier and following the developments and reactions which it inspired. The seminar will draw heavily on contemporary architectural theory and criticism in an attempt to achieve an historical overview of the period since World War II. Limited to 12 students. Those interested should consult with the instructor before registration. (AR 301 or AR 307.) Mr. Andres.

AR 405 SEMINAR IN BAROQUE ART. Deleted.

(AR 406 SEMINAR IN RENAISSANCE ART)

AR 407 SEMINAR IN AMERICAN ART: WINSLOW HOMER. Fall.

(AR 408 SEMINAR IN PRIMITIVE ART: THE ART OF OCEANIA)

AR 409 ART MUSEUMS: THEORY AND PRACTICE. Spring. New Course. This course is intended as an intensive introduction to problems and issues in American art museums. The primary goal of the course is to acquaint each student with day-to-day museum conditions through the completion of a semester-long project. Project topics will evolve from the long-range goals of the gallery and may include the preparation of an exhibition or work on a gallery publication. Limited to 12 students. Those interested should consult with the instructor before registration for a more complete description of the course. (AR 101, and AR 102 or AR 202 recommended.) Mr. Saunders.

AR 410 SEMINAR IN ICONOGRAPHY. Spring. New Description. As described by Erwin Panofsky, "Iconography is that branch of the history of art which concerns itself with the subject matter or meaning of works of art, as opposed to their form." For our study of iconography we will consider a wide variety of works from the Medieval, Renaissance, and Baroque periods. In addition to examining biblical themes, we will also examine individual works, as well as major iconographic programs including the Royal Portraits of Chartres Cathedral, Giotto's Arena Chapel frescoes, Michelangelo's Sistine Ceiling and Rubens' Antwerp altarpieces. Limited to 12 students. Mr. Wilson.

Guidelines for Independent Work in Art History and Studio Art. Under 2. Independent Projects, delete the final sentence.

AR 510 ADVANCED STUDIES IN ART HISTORY

AR 520 ADVANCED STUDIES IN STUDIO

AR 710 SENIOR INDEPENDENT STUDY IN ART HISTORY

AR 720 SENIOR INDEPENDENT STUDY IN STUDIO

AR 730 SENIOR INDEPENDENT STUDY IN ARCHITECTURAL DESIGN

BIOLOGY

Professors: George Saul, Christopher Watters. Associate Professors: C. Randall Landgren (chair), Tom Root. Assistant Professors: Sallie Sheldon, Pamela Small, Stephen C. Trombulak. Assistant: H. Peter Wimmer.

Major Program. The four cognate courses from chemistry required for the major exclude CH 110, CH 170 and CH 172.

BI 102 SCIENCE IN SCIENCE FICTION. Fall.

BI 111 WRITING ON NATURE. Spring.

*+BI 125 INTRODUCTION TO BIOLOGY. Fall. New Description. Lectures cover aspects of ecology, organismic biology, and cell biology with an

emphasis on organismic biology. Specific topics include the relations of organisms to their environment, the mechanisms of cellular and species continuity, reproduction, circulation, species diversity, and levels of organization from biomes to molecular biology. Problem solving will include population and Mendelian genetics. The labs introduce the student to the major areas of study offered by the department. Students with two or more years of high school biology should consider BI 175 or bypassing these two courses by examination. 3 hrs. lect., 3 hrs. lab. Not available to students who are taking or have taken BI 175. Mr. Landgren.

*BI 130 MAN AND DISEASE. Fall.

BI 175 MODERN BIOLOGY. Fall. New Course. This course emphasizes quantitative and analytical approaches to the study of biology. Lectures will build from cell biology toward an understanding of individuals in each of the major kingdoms. Applications of chemistry and physics in animal and plant physiology and development will be covered. Lab work will focus on four major problems and provide a basis for developing scientific and descriptive writing skills. Students with strong backgrounds in high school biology should consider bypassing BI 175 by examination. An understanding of the basic principles of chemistry and at least one year of biology in the junior or senior year of high school are expected. Not available to students who are taking or have taken BI 125. 2 hrs. lect., 1 hr. disc., 3 hrs. lab. Mr. Landgren.

*BI 190 GENERAL ECOLOGY. Spring. This is a Foundations Course.

BI 201 INVERTEBRATE BIOLOGY. Fall. New Description. 97 percent of all animal species are invertebrates including some of the most intriguing and successful animals known. This course will combine field, lab and lecture approaches to study this extraordinary success and diversity. The first third of the course will consist of field studies (including a three-day trip to the Isle of Shoals) to introduce the invertebrate fauna. The remainder of the course will consist of lecture and lab studies of the animals we have collected and other living and preserved specimens. We will focus upon evolution, the use of invertebrates for research, and medically important animals (parasites, pests, poisonous animals). The goal is to understand the ways that anatomical, physiological, behavioral and environmental problems can be solved. (BI 125 or BI 175 or permission.) This course will not be offered again until 1989-1990. Mr. Root.

+BI 202 VERTEBRATE LIFE. Spring. New Prerequisites. (BI 125 or BI 175 or permission.)

+BI 203 BOTANY. Spring. New Prerequisites. (BI 125 or BI 175 or permission.)

BI 205 DEVELOPMENTAL BIOLOGY. Spring. New Prerequisites. (BI 125 or BI 175 or permission.) There is no longer a lab as part of this course.

(BI 216 ANIMAL BEHAVIOR). Offered in Fall Term 1988.

BI 225 HUMAN GENETICS. Fall. New Prerequisites. (BI 125 or BI 175.)

+BI 230 MICROBIOLOGY. Fall. New Prerequisites. (BI 125 or BI 175.)

+BI 250 ORGANELLES AND CELLS: AN INTRODUCTION TO CONCEPTS AND METHODOLOGY. Spring. New Prerequisites. (BI 125 or BI 175 or equivalent preparation; CH 103 is corequisite.)

BI 302 VERTEBRATE FIELD BIOLOGY. Fall. This course deals with the natural history of vertebrates and the challenge of observing animals in their own habitat. We will explore in depth the local vertebrate fauna, study principles of wildlife biology, and address experimentally specific questions in vertebrate biology. Topics considered will include environmental physiology, population and community ecology, and behavior. We will use many different techniques to study animals in the field, including mark-and-recapture, radiotelemetry, environmental monitoring and observation of behavior. Students will learn to design and communicate the results of experiments to answer their own questions about the

biology of free-living animals. Laboratory work will involve both day and weekend field trips. 6+ hrs. disc./lab. (BI 202 or permission.) Mr. Trombulak.

BI 303 PLANT PHYSIOLOGY. Deleted.

BI 314 MOLECULAR GENETICS. Spring. New Description. Topics for lectures and reading include the structure and function of the genetic material of prokaryotes, viruses, and eukaryotes; regulation of gene activity; and molecular models of recombination. Attention will be given to special topics of current interest, such as oncogenic viruses, cloning, and fine-structure analysis of genes. Laboratory work will provide training in recombinant DNA techniques through a series of experiments directed at cloning genes in *Escherichia coli*. (BI 250.) 3 hrs. lect., 3 hrs. lab. Mr. Saul, Ms. Small.

BI 325 APPLIED GENETICS. Spring. New Description. Experiments designed to introduce some organisms and techniques used in the study of both prokaryotic and eukaryotic genetics. Concepts that are developed include recombination and deletion mapping, tetrad analysis, epistasis and gene interaction, biosynthetic pathway analysis, complementation, hereditability, multifactorial inheritance, and the effects of chromosome aberrations. Training in data analysis and reporting experimental work will be provided. This course complements the lecture courses in genetics and is especially important for students who plan to continue their studies of genetics after graduation. (BI 225 or BI 314, which may be taken as a corequisite). 4 hrs. disc./lab. Mr. Saul.

BI 330 PATHOGENIC MICROBIOLOGY. Spring.

BI 360 APPLIED CELL BIOLOGY. Fall.

BI 370 HUMAN AND ANIMAL PHYSIOLOGY. Spring. New Title and Description. A lecture and lab course to examine human physiology from a comparative perspective. The way our body functions depends upon biological laws, but also upon our evolutionary heritage. This course will examine these biological principles and compare the physiology of many different animals to humans. Lectures will stress adaptation to a variety of habitats, and responses to a phenomenal range of environments. In addition to normal physiology, computer simulations of stress and disease will illustrate physiological change. Laboratories will emphasize the skills and methods of gathering, analyzing and reporting data. We will study the theory and application of respirometry, osmometry, electrophysiology, computerized data acquisition, and perform experiments involving cardiac function, muscle physiology, endocrinology, thermoregulation, field studies, and small animal surgery. (BI 250 or permission.) Mr. Root.

(BI 375 RADIATION BIOLOGY)

BI 380 TECHNIQUES IN ANIMAL PHYSIOLOGY. Deleted.

BI 390 ADVANCED ECOLOGY. Fall.

BI 391 METHODS IN ECOLOGY. Fall.

(BI 402 VERTEBRATE REPRODUCTION). Offered in Spring Term 1989.

BI 403 PHOTOSYNTHESIS. Deleted.

BI 404 PHYSIOLOGICAL ECOLOGY OF ANIMALS. Spring. New Description. This seminar will focus on the interface of physiology and ecology of vertebrates and invertebrates through lectures and discussion of primary literature as well as through laboratory exercises that illustrate techniques in physiological ecology. Topics will include bioenergetics, thermoregulation, biological rhythms, water balance, and the physiology of defense. Emphasis will be on examining how physiological processes affect the behavior of individuals and the ecological patterns of populations and communities. Students will be required to make occasional oral presentations to the class and write one critical paper. Will alternate with BI 402. (BI 190 or BI 370 or permission.) 3 hrs. disc./lab. Mr. Trombulak.

BI 411 ECOLOGY SEMINAR. Spring.

BI 425 ADVANCED GENETICS. Fall.

BI 440 MEMBRANE BIOLOGY. Spring.

BI 470 PHYSIOLOGY OF BEHAVIOR. Spring. New Title and Description. A seminar course examining the neural and hormonal mechanisms controlling animal and human behavior. A variety of research approaches will be stressed, including traditional clinical and laboratory studies of humans and other primates, as well as recent approaches such as the study of simple nervous systems. Topics covered will include control of locomotion and feeding, visual and auditory images, developmental and genetic mechanisms of brain function, hormonal control of reproductive behavior, learning and memory, localization of brain function and the evolution of the mind. Laboratories and demonstrations cover neurophysiological techniques, duplicating techniques described in research papers of student presentations. May not be taken by students who have had BI 480. (BI 250 or permission.) Mr. Root.

BI 480 NEURAL AND NEUROMUSCULAR DISORDERS. Fall. New Course. Judging by the recent media coverage of such disorders as multiple sclerosis, muscular dystrophy, Parkinson's and Alzheimer's disease, we are always on the verge of major breakthroughs in understanding and treating such disorders, yet "cures" remain elusive. Students will learn to critically judge laboratory and clinical research reports, as well as studies that emphasize the psychological, sociological and economic impact of these disorders on individuals, families and society. Topics include the biological basis of these disorders, diagnostic procedures, physical rehabilitation, chemotherapy, effects upon family and society, ethical issues of treatment, fund-raising, and budgeting for scientific research. May not be taken by students who have taken BI 470. (BI 250 or permission.) Mr. Root.

BI 500 ADVANCED STUDY. Fall, Winter, Spring.

BI 900 RESEARCH AND THESIS. Fall, Winter, Spring.

+Available with or without lab to non-majors.

CHEMISTRY AND BIOCHEMISTRY

Professors: Robert W. Gleason, E.L. Pool. Assistant Professors: Jeffrey Byers, James Larrabee, Maggie O'Brien, Stephen F. Sontum (on leave all year).

Major Program. Replace first three paragraphs with the following: The programs required of all chemistry majors provide a firm foundation in the fundamental principles of the discipline. Each student builds on this foundation by choosing those elective courses that best meet individual special interests and career objectives which might include secondary-school education, medicine, a position in industry, or study for an advanced degree in graduate or professional school. Although non-majors may take any laboratory course without the laboratory, courses constituting a part of a major in chemistry must be taken with laboratory. The Department of Chemistry is accredited by the American Chemical Society and students taking the appropriate electives may be certified by the Society.

Required core courses for all majors: CH 103, CH 104, CH 241, CH 242, CH 352, MA 113, PH 109, PH 110.

For a major in Chemistry: a student must complete the core courses, CH 311, CH 312, CH 351, CH 431 and three electives in the Department.

For a major in Biochemistry: a student must complete the core courses, CH 222, CH 311, CH 313, CH 425, and three electives chosen with an adviser's approval from the Departments of Biology and Chemistry.

For a joint major in Biology and Chemistry: a student must complete the core courses, BI 125 or BI 175, BI 190, BI 250, CH 222, CH 352, three

electives in Biology, at least one at the 300 or 400 level, and three electives that may be taken in the Departments of Biology, Chemistry, Mathematics, or Physics.

Students with a professional interest in chemistry are encouraged to elect CH 341, CH 452, two course credits of thesis research, MA 201 and MA 202 or PH 212, and GN 101 and GN 102 or RU 101 and RU 102.

Although students may take several units of independent study (CH 400, CH 700 or CH 750), only two may be counted toward filling the elective requirements for any major in the Department.

Under Honors in Chemistry, replace first two sentences with: To be eligible for graduation honors in chemistry a student must have a 6.0 average (on a 10 to 0 scale, A+ - F as defined in the Handbook) in all courses in the department, excluding independent study courses (CH 400, CH 500, CH 700 and CH 750). In addition, the student must take at least one unit of CH 700 and present and defend a thesis before a committee of at least three faculty members.

*CH 103 FUNDAMENTALS OF CHEMISTRY I. Fall, Spring. Mr. Gleason, Staff.

*CH 105 Same as CH 103 but without the laboratory.

CH 104 FUNDAMENTALS OF CHEMISTRY II. Fall, Spring. Mr. Larrabee, Staff.

CH 106 Same as CH 104 but without the laboratory.

*CH 170 CHEMISTRY FOR CITIZENS. Spring.

*CH 172 ENVIRONMENTAL CHEMISTRY: THE CHEMISTRY AROUND US. Fall. New Course. Designed for non-science majors. This course will introduce simple principles of chemistry needed to address significant questions of environmental quality. Specifically considered will be chemical cycles in the environment which are essential to life, atmospheric chemistry and its relation to weather, acid rain and the methods for pollution detection. Within this framework global questions of environmental legislation, pollution, health hazards, and energy production will be considered. 2 hrs. lect., 1 hr. disc., 1 freshman writing section. Mr. Pool.

CH 222 BIOCHEMISTRY AND MOLECULAR BIOLOGY. Fall. New Course. An introduction to biochemistry which will begin with the study of the basic chemical components of a cell, including sugars, fatty acids, amino acids and nucleic acids. The physical and chemical properties of proteins and nucleic acids will be emphasized, and provide a foundation for the discussion of current topics in molecular biology. Molecular biology will be approached first in terms of processes (transcription, translation, post-translation, granule formation) and then structures (DNA and gene structure, mRNA, translation product, mature and secreted protein). Understanding of techniques in biochemistry and molecular biology will be emphasized. (CH 241 or concurrently.) 3 hrs. lect., 1 hr. disc. Mr. O'Brien.

CH 230 BIOINORGANIC CHEMISTRY. Spring. New Course. This course will focus on the study of the role of transition metal ions in biological systems. Basic concepts of bonding for transition metals will be explored and methods of characterization of coordination complexes will be discussed. This will be followed by an in-depth examination of specific biological systems, including oxygen-carrying molecules (hemoglobin, myoglobin, hemerythrin, hemocyanin); coenzymes such as vitamin B-12, nitrogenase, cytochrome P-450, cytochrome oxidase and the electron-transport cytochromes b and c. The role of transition metal ions in cancer chemotherapy will also be studied. Emphasis will be placed on the study of simple model systems that have been synthesized to facilitate understanding of complex biological systems. (CH 104.) 3 hrs. lect. Mr. Larrabee.

CH 241 ORGANIC CHEMISTRY I. Fall. Mr. Byers and Staff.

CH 242 ORGANIC CHEMISTRY II. Spring. Continuation of Organic Chemistry I. 3 hrs. lect., 3 hrs. lab. Breakage fee. Mr. Byers.

CH 247, CH 248 Same as CH 241, CH 242 but without the laboratory.

CH 311 ADVANCED CHEMISTRY LABORATORY I. Fall, Spring. New Course. An introduction to modern experimental chemistry with an emphasis on inorganic preparations and the theory, practice and application of instrumental methods of chemical analysis. Lecture topics will include evaluation of data, experimental design, and the theory and operation of chemical instrumentation. Laboratory exercises will involve chromatographic, thermodynamic and spectroscopic measurements of structural properties of molecules. (CH 351 or concurrently.) 1 hr. lect., 6 hrs. lab. Mr. Pool.

CH 312 ADVANCED CHEMISTRY LABORATORY II. Spring. New Course. A continuation of modern experimental chemistry including inorganic preparations with an emphasis on applications measuring dynamic properties of molecules. Lecture topics will include kinetics, transport properties and Fourier spectroscopic methods. Laboratory exercises will involve simple electronics and computer interfacing, kinetic measurements, nuclear magnetic resonance and infrared methods of analysis. (CH 351.) 1 hr. lect., 6 hrs. lab. Mr. Pool and Mr. Larrabee.

CH 313 ADVANCED CHEMISTRY LABORATORY III. Spring. New Course. Techniques in protein and nucleic acid chemistry will be emphasized. Protein assays, protein purification and characterization, and radiolabelling studies with proteins will expose students to common biochemical techniques such as spectroscopy, HPLC, liquid scintillation counting, gel chromatography, electrophoresis, ultracentrifugation and radioimmunoassay. Both whole animals, and cell culture models will be used for experimentation. Major techniques in molecular biology will be introduced, including molecular cloning, DNA sequence analysis, nucleic acid hybridization and gene transfer techniques. (CH 311 or permission.) 1 hr. lect., 6 hrs. lab. Ms. O'Brien.

(CH 341 ORGANIC CHEMISTRY III)

CH 351 PHYSICAL CHEMISTRY I. Fall. There is no longer a lab in connection with this course. Staff.

CH 352 PHYSICAL CHEMISTRY II. Spring. There is no longer a lab in connection with this course. Staff.

CH 357/358 Deleted.

CH 400 SEMINAR IN CHEMICAL RESEARCH. Fall. New Course. This seminar is intended to provide experience in current chemical research methods, literature and writing. This course involves a student research project generally related to current faculty research interests, class seminars and the writing of journal style reports. Majors may register for up to two course equivalents, but only one may be applied as chemistry elective credit. Participation for two semester equivalents will normally be followed by registration for CH 700. 1 hr. lect., 6 hrs. lab. Mr. Pool.

CH 421 BIOCHEMISTRY. Deleted.

CH 422 BIOCHEMISTRY. Deleted.

CH 427/428 Deleted.

CH 425 ADVANCED BIOCHEMISTRY. Fall. New Course. Anabolic and catabolic pathways of eukaryotes will be evaluated mechanistically and appreciated through a consideration of thermodynamics. Pathways of carbohydrate, amino acid, lipid and nucleic acid metabolism, and models for oxidative phosphorylation are included. A treatment of enzyme kinetics and examples of several enzymes in metabolic pathways will provide for a rigorous understanding of enzyme function and the many control mechanisms cells use to regulate their thermodynamic needs. (CH 222 and CH 351.) 3 hrs. lect., 1 hr. disc. Ms. O'Brien.

CH 431 ADVANCED INORGANIC CHEMISTRY. Spring. There is no longer a lab in connection with this course. Mr. Larrabee.

CH 442 ADVANCED ORGANIC CHEMISTRY. Fall. New Prerequisites. (CH 242.)
3 hrs. lect. Mr. Byers.

(CH 452 PHYSICAL CHEMISTRY III)

CH 500 INDEPENDENT STUDY PROJECT. Deleted. (See CH 400, below.)

CH 700 SENIOR HONORS THESIS. Winter and Spring. New Title and Description. Senior honors candidates must register for CH 700 for one semester while completing research projects initiated in CH 400. The writing and oral presentation of a thesis is required for completion of CH 700. (CH 400.) Staff.

CH 750 SENIOR THESIS (ENVIRONMENTAL STUDIES). Fall, Winter, Spring.

CHINESE

Professor: John Berninghausen (on leave all year). Assistant Professors: Catherine Campbell (acting chair), Clara Yu. Lecturer: Gregory Chiang. Visiting Lecturer in Chinese and Art: Jen-mei Ma (winter and spring terms).

CS 101 BEGINNING CHINESE. Fall. Ms. Yu.

CS 102/WT BEGINNING CHINESE. Winter.

CS 102 BEGINNING CHINESE. Ms. Yu.

CS 114 WAR IN MODERN LITERATURE EAST AND WEST. Fall. New Course. This freshman writing course centers on literature which explores the nature and effects of war in a variety of Asian and Western contexts. The focus will be primarily on World War II through the Vietnam War, although earlier pieces will be read for comparison. Readings will include several full-length works (All Quiet on the Western Front, Harp of Burma, Hiroshima, Lost Names) as well as short stories and essays from Japan, China, Korea, Vietnam, Europe and the United States. There will be frequent writing assignments, with emphasis on revision. Class format will be discussion-based. (Enrollment is limited to freshmen fulfilling the freshman writing requirement.) Ms. Campbell.

*CS 133 MASTERWORKS OF CHINESE LITERATURE AND CIVILIZATION. Spring.

CS 201 INTERMEDIATE CHINESE. Fall.

CS 102 INTERMEDIATE CHINESE. Spring. Ms. Ma.

CS 216 TRADITIONAL CHINESE FICTION IN TRANSLATION. Fall. New Description. A survey of pre-modern Chinese fiction. This course will cover works from the Six Dynasties period (5th-6th centuries A.D.) up until the end of the 19th century "Tales of the Mysterious" (chuanqi) and short stories, selections from Outlaws of the Marsh, Journey to the West and Story of the Stone, as well as the novella Travels of Lao Can are included. The relationship between fictional and other literary genres, the ties between recorded fiction and oral story-telling, and issues of narrative structure, characterization and style will be discussed. Ms. Yu.

CS 220 MODERN CHINESE FICTION IN TRANSLATION. Spring. A selection of 20th century novels and short stories from China.

CS 225 CLASSICAL CHINESE POETRY IN TRANSLATION. Spring. (Not offered in 1988-89.) Ms. Ma.

(CS 260 INTRODUCTION TO LITERARY THEORY AND CRITICISM). Offered in Fall Term 1988.

CS 301 ADVANCED CHINESE (MODERN CHINESE). Fall.

CS 302 ADVANCED CHINESE (MODERN CHINESE). Spring. New Description. A continuation of the first term's work with greater emphasis placed upon readings works of a literary nature. (CS 301 or equivalent.) Mr. Chiang.

CS 400 ADVANCED READINGS, CONVERSATION AND WRITING (MODERN CHINESE). Fall. New Title and Description. This course is designed to further improve language competency of highly pragmatic Chinese, spoken and written. Readings and discussion of a wide variety of contemporary materials selected with the special needs of students about to live and study in a Chinese-speaking country given high priority. Students will be introduced to work processing in Chinese. (CS 302.) Ms. Yu.

CS 401 CLASSICAL CHINESE: INTRODUCTION TO WENYAN (IN CHINESE). Fall. Students are no longer required to take CS 402 in order to receive credit for this course.

CS 402 CLASSICAL CHINESE: INTRODUCTION TO WENYAN (IN CHINESE). Spring.

(CS 420 MODERN NARRATIVE AND COMPOSITION (IN CHINESE))

CS 425 SEMINAR ON CONTEMPORARY CULTURE AND LANGUAGE (IN CHINESE). Fall. Mr. Chiang.

CS 475 SENIOR SEMINAR ON CHINESE FICTION (IN CHINESE). Spring. Ms. Yu.

CS 700 SENIOR THESIS. Fall.

CS 700/WT SENIOR THESIS. Winter.

CLASSICAL STUDIES PROGRAM

Major Program. Under Required for the Major in Classical Studies:

In Section A, bracket:

(*CL 118 POLITICAL HISTORY AND THEORY OF GREECE AND ROME)

In Section B, add:

CL 131 HISTORY OF CLASSICAL GREECE

CL 132 HISTORY OF ROME

CL 175 GREEK PHILOSOPHY

In Section B, bracket:

(CL 112 INTRODUCTION TO ANCIENT SOCIETY: THE GREEKS)

(CL 113 INTRODUCTION TO ANCIENT SOCIETY: THE ROMANS)

(*CL 118 POLITICAL HISTORY AND THEORY OF GREECE AND ROME)

Section C. No Change.

Section D. No Change.

Section E. No Change.

CLASSICS

Professors: Eve Adler (chair), William Harris. Associate Professor: Ursula Heibges. Instructors: Diane Legomsky, Robert Schine, Jonathan Price.

COURSES IN ENGLISH

(CL 112 INTRODUCTION TO GREEK CIVILIZATION)

(CL 113 INTRODUCTION TO ROMAN CIVILIZATION)

(*CL 118 POLITICAL HISTORY AND THEORY OF GREECE AND ROME)

*CL 121 THE CLASSICAL TRADITION OF THE LIBERAL ARTS AND SCIENCES. Spring.

CL 131 HISTORY OF CLASSICAL GREECE. Fall. New Course. A survey of Greek history from Homer to the Hellenistic Period, based primarily on a close reading of ancient sources in translation -- literature, historiography, inscriptions. Students will also read selections from important and provocative works of scholarship in exploring such issues as the changes in Greek self-definition through different historical periods, the emergence of the polis and the similarities and differences among Greek political systems, the nature of Greek imperialism, Greek rationality and irrationality in public life, the role of the individual in certain major events, the source and magnitude of the Greek creative achievement. Mr. Price.

CL 132 HISTORY OF ROME. Spring. New Course. Description not yet available. Mr. Price.

*CL 150 THE ANCIENT EPIC. Fall.

*CL 152 GREEK TRAGEDY. Spring.

*CL 175 GREEK PHILOSOPHY. Fall. New Course. We will study the works of the major Greek philosophers, including Thales, Pythagoras, Plato, and Aristotle, and consider the ways in which each new philosophical movement developed as a response to previous movements. Our focus will be on ethics, mysticism, theology, and metaphysics. We will utilize the Socratic method to a large extent, and will consider critically the philosophers' and your own ideas on such questions as: Is the universe strictly mechanical? What is the human soul? What constitutes happiness? How can we distinguish between what we truly believe and what we have been trained to believe? Ms. Legomsky.

CL 220 INTRODUCTION TO GREEK SCIENCE. Spring.

CL 317 PLATO. Deleted.

CL 450 HISTORY OF CLASSICAL LITERATURE (IN TRANSLATION). Fall. New Description. Designed for students with background in Greek and Roman literature, history or philosophy, the course will present a comprehensive overview of the major literary, historical and philosophical works of Greece and Rome. Mr. Harris.

GREEK
(CL 103 BEGINNING GREEK)

(CL 204 INTERMEDIATE GREEK)

CL 303 GREEK POETRY: HOMER AND HERODOTUS. Fall. New Description. This course will introduce students to a close study of Homer's *Iliad* and/or *Odyssey* and Herodotus' *Histories*. Aims will be master of Homeric and Herodotean Greek and study of the major themes and questions raised by the authors. Mr. Price.

CL 304 GREEK LITERATURE: PLATO AND TRAGEDY. Spring. New Title and Description. Close reading of selected dialogues of Plato and works of the tragedians. Staff.

(CL 403 ADVANCED GREEK POETRY)

(CL 404 ADVANCED GREEK PROSE)

HI 452 HISTORY OF GREEK LITERATURE. Deleted.

LATIN
CL 101 BEGINNING LATIN. Fall. New Description. Intensive introduction to the rudiments of Classical Latin, for beginners. The aim of the course is to prepare students to read the major authors of Roman literature. Ms. Legomsky.

CL 202 INTERMEDIATE LATIN. Spring. New Description. A continuation of CL 101. Completes the rudiments of Latin grammar and introduces students to intensive reading selected from such authors as Cicero, Ovid, New Testament. Mr. Price.

(CL 301 LATIN PROSE)

(CL 302 LATIN POETRY)

CL 401 READINGS IN LATIN LITERATURE I. Fall. Ms. Adler.

CL 402 READINGS IN LATIN LITERATURE II. Spring.

HEBREW
CL 105 INTRODUCTION TO HEBREW. Fall.

CL 206 INTERMEDIATE HEBREW. Spring. Ms. Adler.

(CL 305 READINGS IN THE HEBREW BIBLE)

(CL 406 ADVANCED HEBREW STUDIES)

SENIOR COURSES

CL 420 SEMINAR IN CLASSICAL LITERATURE. Spring. Staff.

CL 700 SENIOR ESSAY FOR CLASSICAL STUDIES MAJORS. Fall, Spring.

CL 701 GENERAL EXAMINATION FOR CLASSICAL STUDIES MAJORS. Fall.

CL 705 SENIOR ESSAY FOR CLASSICS MAJORS. Fall, Spring.

CL 706 GENERAL EXAMINATION FOR CLASSICS MAJORS. Fall.

CREATIVE AND EXPOSITORY WRITING

No Change.

EAST ASIAN STUDIES

Participating Faculty: Donald Lopez (chair) (Religion), Ellen Basu (Sociology/Anthropology), Catherine Campbell (Chinese Language and Literature), Gregory Chiang (Chinese Language and Literature), Nicholas Clifford (History), John Keenan (Religion), Linda Keenan (Japanese Language and Literature), Jen-mei Ma (Chinese Language and Art), Don Wyatt (History), Clara Yu (Chinese Language and Literature). On Leave (1987-88): John Berninghausen (Chinese Language and Literature), Hiroshi Miyaji (Philosophy and Culture), David Rosenberg (Political Science).

Replace MASTER LIST with the following:

AR 103 INTRODUCTION TO FAR EASTERN ART
CS 133 MASTERWORKS OF CHINESE LITERATURE AND CIVILIZATION
CS 216 TRADITIONAL CHINESE FICTION IN TRANSLATION
CS 220 MODERN CHINESE FICTION IN TRANSLATION
CS 225 CLASSICAL CHINESE POETRY IN TRANSLATION
CS 420 MODERN NARRATIVE AND COMPOSITION
CS 475 SENIOR SEMINAR IN CHINESE FICTION (IN CHINESE)
GG 221 SOUTH AND EAST ASIA
HI 235 MODERN EAST ASIA, 1750-1912
HI 236 MODERN EAST ASIA, 1912-1976
HI 331 IMPERIAL CHINA
(HI 332 MODERN CHINA)
HI 333 CHINESE INTELLECTUAL HISTORY
(HI 335 TRADITIONAL JAPAN)
HI 336 MODERN JAPAN
HI 409 READINGS IN ASIAN HISTORY
HI 426 WRITING AND RESEARCH, EAST ASIA
JA 216 TRADITIONAL JAPANESE LITERATURE IN TRANSLATION
JA 220 THE NOVEL AND THE NOVELIST IN MODERN JAPAN
(PA 253 CONFUCIANISM AND THE CONFUCIAN TRADITION IN EAST ASIA)
(PA 256 TOPICS IN JAPANESE PHILOSOPHY)
(PS 220 ASIAN POLITICS)
(PS 430 SEMINAR IN U.S.-ASIAN RELATIONS)
RE 115 INTRODUCTION TO EASTERN RELIGIOUS THOUGHT
(RE 212 CHINESE RELIGIONS)
(RE 215 SHINTO: JAPANESE INDIGENOUS RELIGIOUS BELIEFS)
(RE 340 EARLY TAOISM)
SA 335 CHINESE SOCIETY AND CULTURE
TH 237 JAPANESE CINEMA

Under ALTERNATIVE A, Section 1,

Add to the Japanese List:

JA 216 TRADITIONAL JAPANESE LITERATURE IN TRANSLATION
JA 220 THE NOVEL AND THE NOVELIST IN MODERN JAPAN

Bracket:

(RE 215 SHINTO: JAPANESE INDIGENOUS RELIGIOUS BELIEFS)
(HI 335 TRADITIONAL JAPAN)
(PA 253 CONFUCIANISM AND THE CONFUCIAN TRADITION IN EAST ASIA)

(PA 256 TOPICS IN JAPANESE PHILOSOPHY)
(PS 220 ASIAN POLITICS)
(RE 340 EARLY TAOISM)

Under ALTERNATIVE A, Section II:

Delete JA 401, 402 ADVANCED READINGS IN JAPANESE from JAPANESE LANGUAGE COURSES.

EA 700 SENIOR THESIS. Fall.

EA 700/WT SENIOR THESIS. Winter.

Under ALTERNATIVE B, Section I,

Add to the Japanese list:

JA 216 TRADITIONAL JAPANESE LITERATURE IN TRANSLATION

JA 220 THE NOVEL AND THE NOVELIST IN MODERN JAPAN

Bracket:

RE 215 SHINTO: JAPANESE INDIGENOUS RELIGIOUS BELIEFS

(HI 335 TRADITIONAL JAPAN)

(PA 253 CONFUCIANISM AND THE CONFUCIAN TRADITION IN EAST ASIA)

(PA 256 TOPICS IN JAPANESE PHILOSOPHY)

(PS 220 ASIAN POLITICS)

(PS 430 U.S.-ASIAN RELATIONS)

Under ALTERNATIVE B, Section II, delete:

JA 401, 402 ADVANCED READINGS IN JAPANESE

EA 500 INDEPENDENT STUDY. Fall, Spring.

EA 700 SENIOR THESIS. Fall.

EA 700/WT SENIOR THESIS. Winter.

ECONOMICS

Professors: Michael Claudon, Richard Cornwall (chair), David Smith.
Associate Professors: Paul Sommers (on leave all year). Assistant
Professors: Paul Albanese (on leave all year), David Audretsch,
Phanindra Wunnavu. Christian A. Johnson Distinguished Professor: David
C. Colander. Instructor: Catherine Sokil. Visiting Instructor:
Sheldon Sax.

Major Program. Under I. THE MAJOR:

Replace copy under International Major with: MA 112*, EC 150*, EC 155*,
EC 210*, EC 211*, EC 350*, EC 355*, three electives, one of which must be
a 400* level course; one 500 (fall + winter term) course based on work
abroad, plus an advanced course in a language department. Courses
followed by an asterisk* normally must be taken at Middlebury, and as
many as possible among the first seven listed should be taken before
studying abroad. A minimum of ten economics courses, including the 500
course, must be completed.

Under III. POST-GRADUATE PREPARATION, replace paragraph 4 with: Because
of the widespread use of computers in both M.B.A. and Ph.D. programs,
majors should become familiar with computer programming by completing MA
103 and preferably MA 213, and they are strongly advised to take EC 311.

EC 100 BASIC ELEMENTS OF THE AMERICAN ECONOMY. Fall. New Prerequisites.
(Students who have completed EC 150 or EC 155 cannot earn credit for EC
100.)

EC 150 INTRODUCTORY ECONOMICS (MACRO). Fall, Spring.

EC 155 INTRODUCTORY ECONOMICS (MICRO). Fall, Spring.

EC 210 ECONOMIC STATISTICS. Fall. Mr. Audretsch.

EC 211 ECONOMIC STATISTICS: INTRODUCTION TO REGRESSION ANALYSIS.
Spring. New Prerequisites. (EC 210.)

(EC 230 THE SOVIET ECONOMY)

EC 300 CURRENT PROBLEMS IN ECONOMIC POLICY. Spring. New Description. This course is designed to relate to economic theory and practice. It considers such problems as unemployment, growth, the deficit and the international debt crisis; it discusses the theoretical and practical problems of a variety of proposed "solutions" such as welfare reform, international monetary reform, profit sharing, industrial strategies, incomes policies, unemployment insurance reform and tax reform. (EC 150 and EC 155.) Staff.

EC 310 ECONOMICS OF INVESTING IN SECURITIES. Fall.

EC 311 APPLIED ECONOMETRICS. Fall. New Prerequisites. (EC 211.)

EC 315 ACCOUNTING. Fall, Spring. Mr. Smith (Fall), Staff (Spring).

EC 320 THE CORPORATION. Spring. Staff.

EC 325 AGRICULTURE AND INDUSTRY IN ECONOMIC DEVELOPMENT. Deleted.

EC 330 COMPARATIVE ECONOMIC SYSTEMS. Fall. New Description. A comparative analysis of market-guided (including socialist), centrally-planned and mixed economic systems. The course will look at how the various economic systems in Europe and Asia address problems of economic management, planning, coordination, development and equality. (EC 155.) Ms. Sokil.

EC 337 THE POLITICAL ECONOMY OF CAPITALISM. Changed to EC 437, below.

EC 340 INTERNATIONAL ECONOMICS: A POLICY APPROACH. Spring. Staff.

EC 345 EUROPEAN ECONOMIC HISTORY. Deleted.

EC 350 MACROECONOMIC THEORY. Fall.

EC 355 MICROECONOMIC THEORY. Spring.

EC 365 ENVIRONMENTAL ECONOMICS. Fall.

EC 385 LABOR ECONOMICS. Changed to EC 480, below.

(EC 394 THE ECONOMICS OF NATURAL RESOURCE MANAGEMENT)

(EC 405 PSYCHOLOGICAL FOUNDATIONS OF ECONOMIC BEHAVIOR)

(EC 410 ECONOMETRICS)

(EC 420 ECONOMIC DEVELOPMENT AND POPULATION CHANGE)

(EC 430 INEQUALITY AND POVERTY)

EC 437 THE POLITICAL ECONOMY OF CAPITALISM. Formerly EC 337. Fall. New Number and Description. Since 1500, the social process of capitalism has spread from a few isolated areas in Europe to embrace major portions of all continents. What is the relation between capitalism and the origin of the factory system, the hierarchical organization of work, the development of new technologies, the creation and destruction of social classes and the evolution of social systems of legitimacy and of oppression? We shall explore the writings of Marx, Keynes and Schumpeter and their associated schools of radical, liberal and conservative analysis of how well the "free enterprise" system works. (EC 355.) (Offered in alternate years.) Mr. Cornwall.

EC 440 THE ECONOMICS OF INTERNATIONAL TRADE. Fall. (EC 210 and EC 355.) Mr. Claudon.

EC 445 INTERNATIONAL FINANCE. Spring. (EC 210 and EC 350.) Mr. Claudon.

EC 450 HISTORY OF ECONOMIC THOUGHT. Fall. New Description. This course offers an historical and analytical perspective on the development of

economic ideas. It asks the question: why is economics what it is today? Topics include the evolution of classical to neoclassical thinking, the Keynesian revolution, the changing of focus of economic theory and the current state of the profession. (EC 350 and EC 355.) Staff.

(EC 455 INDUSTRIAL STRATEGIES)

EC 465 PUBLIC POLICY TOWARD BUSINESS. Spring. New Description. This course examines the role of government in controlling business. Two different means of public intervention are investigated--economic regulation and antitrust policy. The first half of the course introduces economic regulation of free market activity and the recent regulatory reform movement in the 1970's. In the second half of the course, the antitrust laws and their impact on American business are investigated from both a legal and economic perspective. (EC 355.) Ms. Sokil.

EC 475 MONETARY THEORY AND FINANCIAL INSTITUTIONS. Spring. Mr. Colander.

EC 480 LABOR ECONOMICS. Formerly EC 385. Spring. New Number and Description. A study of the modern labor market. From a microeconomic perspective, the course will examine such issues as the role of unions in the marketplace, minimum wage legislation, the nature and impact of age, sex and wage discrimination and investment in human capital. Macroeconomic topics will focus on alternative labor market models, types of unemployment, and social security. (EC 355.) Mr. Sax.

EC 498 SEMINAR IN ECONOMIC ISSUES. Spring. New Description. This seminar considers the economics of publishing. It considers the role that publishers play in the spread of economic ideas. Students will work on the reviewing and editing of papers submitted to an academic journal. Mr. Colander.

EC 500 INDIVIDUAL SPECIAL PROJECTS. Fall, Spring.

EC 750 SENIOR THESIS (ENVIRONMENTAL STUDIES). Fall, Winter, Spring.

EC 800 SENIOR RESEARCH FOR HONORS. Fall, Spring.

ENGLISH

Professors: Paul Cubeta, Robert Hill (on leave fall and winter terms), David Littlefield, Edward Martin (chair), Robert Pack (on leave part-time), David Price, Henry Prickett (fall and winter terms), John Wilders (fall and winter terms). Associate Professors: John Bertolini, John Elder, Gary Margolis (part-time), Elizabeth Napier (on leave fall term), Jay Parini. Visiting Associate Professor: Sydney Lea (part-time, on leave all year). Visiting Instructors: Cates Baldrige, Diana Henderson, Don Mitchell (part-time), Virginia Jackson (on leave fall and winter terms).

FRESHMAN WRITING COURSES

EL 101, 103, 105, 107, 125, 160, 170, and 175 all satisfy the freshman writing requirement.

EL 101 NARRATIVE FICTION. Fall, Spring.

EL 103 LYRIC AND NARRATIVE POETRY. Fall, Spring. Staff.

EL 104 DRAMA: CLASSICS AND COMMERCIALS. Deleted.

EL 105 DRAMA. Fall, Spring. Mr. Bertolini, Ms. Henderson.

EL 125 SHAKESPEARE IN PERFORMANCE. Fall. New Course. Close examination of selected scenes from *A Midsummer Night's Dream*, *The Merchant of Venice*, *Henry IV Parts 1 and 2*, *Julius Caesar* and *Hamlet*. Consideration will be given to the constituent parts of each play--construction, character, theme and language--but the major emphasis will be on the effects created in performance on an audience. Students should be willing to take part in dramatic readings. Mr. Wilders.

EL 107 JOURNAL AND ESSAY. Fall, Spring. Mr. Elder, Mr. Martin.

EL 160 THE STRUCTURE OF NONFICTION. Winter. Mr. Mitchell.

EL 170 THE STRUCTURE OF FICTION. Fall, Spring. Mr. Baldridge.

EL 175 THE STRUCTURE OF POETRY. Fall. Mr. Parini.

MAJOR PROGRAM. Replace all copy, through the Creative Writing--Fiction and Nonfiction field description with: Required for a Major in English are (1) Interpretation of Literature: EL 201 and EL 202; (2) Distribution Courses: four courses in literature, one chosen from each of the following groups: (I) EL 301, 302, 303, 224; (II) EL 206, 304, 305, 306; (III) EL 207, 213, 314, AL 202, AL 301; (IV) EL 208, 309, 312, 229, AL 302, AL 307; (3) Shakespeare (EL 321, 421); (4) a Field (five courses in Drama, Novel, Poetry, or Creative Writing, one of which is a seminar) (5) the Senior program.

Fields: A Field is a minimum of four courses informed by a coherent principle plus a seminar in a subject appropriate for the field. Up to two of the same courses - but no more than two - may be used to fill both Distribution and Field requirements.

Drama: (1) EL 227 or CL 152; (2) EL 111 or EL 224; (3) EL 321; (4) EL 229 or TH 216 or TH 226 or TH 231 or TH 236 or TH 306 or TH 330; (5) a seminar.

Novel: (1) EL 206; (2) EL 207 or EL 314; (3) EL 208; (4) AL 301 or AL 302 or EL/AL 309 or TH 231 or TH 236 or TH 306 or TH 330; (5) a seminar.

Poetry: The Lyric Tradition: (1) EL 103 or EL 175 or EL 202; (2) EL 303 or EL 304; (3) EL 213 or EL 314; (4) EL/AL 312 or AL 306 or AL 307; (5) a seminar.

Creative Writing - Poetry: (1) EL 175; (2) EL 275; (3) and (4) two of: EL/AL 312, EL 213, EL 314, AL 307, EL 460; (5) a seminar.

Creative Writing - Fiction and Nonfiction: (1) EL 107 or EL 160 or EL 170; (2) EL 260 or EL 270 or TH 218; (3) and (4) two of: EL 206, EL 207, EL 208, EL/AL 309, AL 301, AL 302, EL 460, TH 228; (5) a seminar.

In the first paragraph following the various Fields descriptions, add: Students may wish to consider a double rather than a joint major.

In the second paragraph following the various Fields descriptions, insert the following between the first two sentences: At this time the student should get from the adviser or from the department office a copy of the reading list that will form the basis for the General Examination in the senior year. The student will be responsible for all works on the reading list.

SENIOR PROGRAM. Replace paragraph 2 with: The General Examination receives one course credit. The examination will be based on a General Reading List and students are expected to know well all of the works on the List. Many of these works may also appear on course reading lists, but not all, and students should expect to do a good deal of independent reading (and rereading) in preparation for the General Examination.

Change all references to "Honors Thesis" to "Thesis."

LITERATURE

*EL 110 CONTINENTAL FICTION. Spring. New Description. A study of major novels and some shorter works by 19th and 20th century European authors, including Flaubert, Zola, Tolstoy, Dostoevsky, Mann, Kafka, Sartre, and Camus. In their range and sweep, these works of fiction trace the main lines of development of narrative form in modern Western art. They are triumphs of achievement and innovation aesthetically and conceptually; they give a felt sense of significant and significantly different levels of society, culture, and periods of history; and between them they dramatically enact or embody most of the central preoccupations of Western civilization, its dilemmas as well as its great ideas. Mr. Price.

(*EL 111 EUROPEAN DRAMA: RENAISSANCE TO MODERN)

(*EL 112 MYTHOLOGIES TIMELESS AND TIMELY, TRADITIONAL AND CONTEMPORARY)

(*EL/AL 113 VISIONS OF NATURE)

*EL 114 READING WOMEN'S WRITING. Fall. New Course. Readings will include a sampling of poetry from the 16th to 19th centuries, novels by Austen, C. Bronte, Eliot, Woolf, Hurston, and Rhys, and prose selections by D. Wordsworth, Gilman, Lessing, and Woolf. Secondary readings will reflect on the concept of gender as a central organizing principle. Employing a variety of methods of literary analysis, the course raises questions of interest to students in a wide range of disciplines, including philosophy, foreign languages, psychology, and history, as well as English. Ms. Henderson.

EL 201, 202 INTERPRETATION OF LITERATURE

EL 201 CHAUCER, SHAKESPEARE, MILTON. Fall, Spring.

EL 202 MAJOR POETS FROM THE EIGHTEENTH TO THE TWENTIETH CENTURY. Fall, Spring. Mr. Pack, Staff.

EL 206 EARLY ENGLISH NOVEL (II). Spring.

EL 207 NINETEENTH CENTURY ENGLISH NOVEL (III). Fall, Spring. Mr. Baldridge.

EL 208 TWENTIETH CENTURY ENGLISH NOVEL (IV). Fall, Spring. New Description. This course will focus on novelists of the modern period: Conrad, Joyce, Lawrence, Forster and Woolf. Readings in modern and contemporary criticism will help define the contexts within which these novelists worked and are read. Mr. Price, Mr. Parini.

EL 213 ENGLISH ROMANTICISM (III). Spring. Mr. Hill.

(EL 224 MEDIEVAL AND RENAISSANCE DRAMA (I))

EL 227 GREEK COMEDY. Spring. New Description. Intensive study of major works of Aristophanes, principally The Clouds, The Birds, Lysistrata, and The Frogs, and selected writings by Thucydides (The Peloponnesian War) and Plato (The Apology, The Symposium), which illuminate the social, political, religious, and intellectual contexts out of which they arise, and which they address. Mr. Littlefield.

EL 229 MODERN BRITISH DRAMA (IV). Fall. New Description. British drama in the 20th century has been a continuing search for a new dramatic language and for dramatic forms. Among the leaders of this search are G.B. Shaw, T.S. Eliot, Samuel Beckett, Harold Pinter, Tom Stoppard, John Osborne. This course will explore representative plays by them, as well as by those who have written for the commercial theatre, such as Noel Coward, Terence Rattigan, Robert Bolt, and Anthony Shaffer. Connections with modern British cinema will be made. Mr. Bertolini.

EL 301 CHAUCER (I). Fall. New Description. Reading and discussion of selections from the Canterbury Tales, and Troilus and Criseyde, with reference to intellectual background through the 14th century. Mr. Littlefield.

(EL 302 MEDIEVAL LITERATURE (I))

EL 303 ENGLISH LITERATURE OF THE SIXTEENTH CENTURY (I). Spring. Ms. Henderson.

EL 304 ENGLISH LITERATURE OF THE SEVENTEENTH CENTURY (II). Fall. New Description. Studies of the poetry of Donne, Jonson, Herbert, Herrick, Marvell, Rochester, and several minor poets. A selection of poems will be examined in close detail and an attempt will be made to discover the distinctive achievement of each poet and the distinguishing characteristics of the poetry of this period generally. Mr. Wilders.

(EL 305 EIGHTEENTH CENTURY POETRY AND PROSE (II))

EL 306 RESTORATION LITERATURE (II). Spring. New Course. Poetry, prose, and drama of the years from 1660 into the 18th century. The course will refer to the historical and political contexts that influenced Restoration aesthetics, as well as the significance of style, the ethos of wit, the roles of women and men, and the refinement of stage comedy. In 1987-88 the course will focus on drama: comedies by Wycherly, Etheridge, Vanbrugh, Congreve, Fielding, Gay, Goldsmith, and Sheridan. Mr. Bertolini.

EL/AL 309 CONTEMPORARY LITERATURE (IV). Fall. New Description. This course will explore different genres in contemporary literature, especially the ways writers have dealt with the legacy of Modernism. Among novelists, we will read Bernard Malamud, Ann Beattie, John Updike, Italo Calvino, and Gabriel Garcia Marquez. The poets we will consider are Robert Penn Warren, Charles Wright, and Seamus Heaney. Among essayists and critics, we will examine Gore Vidal and Joan Didion. Mr. Parini.

(EL/AL 312 (MODERN POETRY (IV))

(EL 314 VICTORIAN POETRY (III))

EL 321 SHAKESPEARE (WS). Fall, Spring. Mr. Cubeta, Mr. Elder.

SEMINARS

Replace the list of seminar courses with the following:

CL 420 SEMINAR IN CLASSICAL LITERATURE. Spring. (See Classics listings for description.) Ms. Adler.

(LS 260 INTRODUCTION TO LITERARY CRITICISM AND ANALYSIS)

LS 705 LITERARY STUDIES COLLOQUIUM. Fall. (See Program in Literary Studies listings for description.) Mr. Bertolini.

EL 401 SEMINAR: HOMER, OVID, MILTON--THE TRANSFORMATION OF THE EPIC. Spring. New Title and Description. Study of the narrative strategy and temporal perspectives of Homer's Iliad, Ovid's Metamorphoses, and Milton's Paradise Lost, with ancillary study of parallel texts in the Old Testament. (Please apply at department office.) Mr. Littlefield.

EL 402 SEMINAR: THE AGE OF WORDSWORTH. Fall. New Title and Description. With Wordsworth's poetry as our focus, we will explore the context and continuities of English Romanticism; we will read the work of his contemporaries--particularly Coleridge, Byron, and Shelley; we will connect his writing with the outward revolutions of his age, both scientific and political; and we will consider the specific connections he draws among nature, memory, and the imagination. To consider these connections we will look at the English painters of Wordsworth's time, Constable, Turner, and Palmer in particular. We will also visit a major exhibition on "William Wordsworth and the Age of English Romanticism" at the New York Public Library. (Please apply at department office.) Mr. Elder.

EL 403 SEMINAR: DICKENS AND ELIOT. Fall. (New Title and Description.) A study of selected novels by Charles Dickens and George Eliot, including Great Expectations and Middlemarch. (Please apply at department office.) Mr. Prickitt.

EL 404 SEMINAR: LITERARY THEORY. Spring. New Title and Description. This seminar will focus on the most recent trends in literary theory, with some attention to the traditions of criticism out of which these theories have arisen. Using Terry Eagleton's introductory survey, Literary Theory: An Introduction as a main text, we will examine closely a number of critics and schools of thought, ranging from the New Critics and structuralists to the Feminists, the Deconstructionists, and the neo-Marxists. (Please apply at department office; this course is designed primarily for literature majors in their junior year, and they will receive first consideration for registration.) Mr. Parini.

EL/AL 405 SEMINAR: H.L. MENCKEN'S DEFENSE OF WOMEN. Fall. New Course. The seminar begins with an analysis of H.L. Mencken's In Defense of Women in the context of the woman suffrage movement to 1920, when women were

given the right to vote. The focus is Mencken's views of the roles of women in American and European life. We will read from the perspective of Mencken's criticism such novels as Theodore Dreiser's Sister Carrie and Jennie Gerhardt, Sinclair Lewis' Main Street, Edith Wharton's The House of Mirth, Willa Cather's A Lost Lady, Ellen Glasgow's Barren Ground, as well as (for background and context) writings by, or selections from, Ibsen, H.G. Wells, Thomas Beer, Kate Chopin, Henry Adams, Jane Addams, Henry James. (Please apply at English department office.) Mr. Martin.

EL 406 SEMINAR: THE ROMANTIC NOVEL. Spring. New Course. Close readings of a number of important novels produced in the transitional period between the 18th and 19th centuries, before the novel entered into its second major phase in the reign of Victoria. Particular attention will be paid to issues of genre (Gothicism, Orientalism), biography (Lewis, Beckford, Shelley), and narrative structure. Among the works to be considered are Horace Walpole's The Castle of Otranto, William Godwin's Caleb Williams, Mary Shelley's Frankenstein, James Hogg's The Private Memoirs and Confessions of a Justified Sinner, and Emily Bronte's Wuthering Heights. (Please apply at department office.) Mrs. Napier.

EL 407 SEMINAR: WILLIAM BUTLER YEATS. Spring. New Course. Extensive readings in most of Yeats' work with intensive study of selected poetry. Works to be read, or read in, outside the required reading of all the poetry, will include: The Autobiography, The Collected Plays, A Vision, Mythologies, Irish Fairy and Folk Tales (ed. Yeats), Ideas of Good and Evil, Discoveries, Per Amica Silentia Lunae, The Cutting of an Agate. (Please apply at department office.) Mr. Hill.

EL 421 SEMINAR: SHAKESPEAREAN TRAGEDY (WS). Spring. New Title and Description. An intensive scrutiny of language, character, and theme in several of Shakespeare's major tragedies. Not open to those who have taken EL 321. (Please apply at department office.) Mr. Cubeta.

WRITING

TH 218 INTERMEDIATE WORKSHOP: PLAYWRITING. Fall. (See Theatre, Dance and Film listings for description.)

EL 260 INTERMEDIATE WORKSHOP: NONFICTION. Spring. New Description. A continuation of EL 107, fall term. (EL 107 or permission.) Mr. Elder.

EL 270 INTERMEDIATE WORKSHOP: FICTION. Fall, Spring. New Prerequisites. (EL 107 or EL 160 or EL 170, and permission.) Staff, Mr. Mitchell.

EL 275 INTERMEDIATE WORKSHOP: POETRY. Fall. New Prerequisites. (EL 175 and permission.) Mr. Price.

TH 228 ADVANCED WRITING: PLAYWRITING II. Spring. (See Theatre, Dance and Film listings for description.) Mr. Sprigg.

EL 460 ADVANCED WRITING. Fall, Spring. New Description. Advanced workshop in poetry and prose primarily for students planning to do a senior essay or thesis in creative writing. (Two writing courses and permission.) Mr. Mitchell, Staff.

SPECIAL PROJECTS

Add the following paragraph: A creative writing project (EL 560) may be undertaken after completion of the introductory, intermediate and advanced workshops in writing. Course credit for satisfactory work at the Bread Loaf Writers' Conference may be given at the EL 560 level if the prerequisites for EL 560 have been met.

EL 500, 520, 560 SPECIAL PROJECTS. Fall or Spring.

SENIOR PROGRAM

EL 700 SENIOR ESSAY. Fall, Spring.

EL 705 GENERAL EXAMINATION. Winter.

EL 710 SENIOR THESIS. Fall, Spring. New Title.

PROGRAM IN ENVIRONMENTAL STUDIES

Replace all copy for this program with the following:

Professors: David Andrews (Sociology/Anthropology), Brewster Baldwin (Geology), Victor Nuovo (Philosophy), E.L. Pool (Chemistry), David Smith (Economics). Associate Professors: Robert Churchill (Geography), Raymond Coish (Geology). Assistant Professors: Lucy Harding (Geology), Sallie Sheldon (Biology), Stephen Trombulak (Biology, Director). Visiting Assistant Professor: Richard Arthur (Philosophy). Visiting Instructor: Sheldon Sax (Economics).

The field of environmental studies explores the relationship between humans and their environment. Such a study involves information from a variety of disciplines, including economics, natural science, political science, geography, sociology and philosophy. The Program in Environmental Studies is designed to provide students an interdisciplinary major that focuses on the diverse facets of environmental science as well as to provide in-depth training in one or more specific disciplines. After graduation, students may continue on to graduate school in environmental science, as well as environmental law, resource economics, anthropology or wildlife biology. Because the major includes significant work in two divisions, students majoring in Environmental Studies are not required to take a concentration.

Program Requirement. Students must select to be in either the Natural Science or the Social Science/Humanities Track of the major. Each track involves six required courses and four cognates. Additionally, each student must select a focus and an adviser within his or her chosen track. Courses taken within the focus that are not specified must be approved by the adviser.

NATURAL SCIENCE TRACK

Core Courses:

BI 190 GENERAL ECOLOGY
CH 103,104 FUNDAMENTALS OF CHEMISTRY I AND II
GL 112 ENVIRONMENTAL GEOLOGY
MA 106 INTRODUCTION TO STATISTICAL SCIENCE
MA 112 MATHEMATICAL ANALYSIS I

Cognate Courses (any four courses: at least two must be above the 100-level):

EC 365 ENVIRONMENTAL ECONOMICS
EC 394 NATURAL RESOURCE MANAGEMENT
GG 211 ECONOMIC GEOGRAPHY
GG 230 ENVIRONMENTAL CONSERVATION
GG 354 WEATHER AND CLIMATE
PS 104 AMERICAN POLITICAL PROCESSES
PA 190 ETHICS AND THE ENVIRONMENT
PA 230 PHILOSOPHY OF SCIENCE
SA 307 SOCIAL MOVEMENT AND COLLECTIVE ACTION

One of the following foci:

BIOLOGY: BI 125, 4 additional courses at the 200-300 level, 1 course at the 400 level.
CHEMISTRY: 4 courses at the 200-300 level, 2 courses at the 400 level.
GEOLOGY: 3 courses at the 200-300 level, 1 course at the 400 level, and 2 units of GL 700.

SOCIAL SCIENCE/HUMANITIES TRACK

Core Courses:

EC 155 INTRODUCTORY ECONOMICS
EC 365 ENVIRONMENTAL ECONOMICS OR EC 394 NATURAL RESOURCE MANAGEMENT
GG 211 ECONOMIC GEOGRAPHY OR GG 212 URBAN GEOGRAPHY
GG 230 ENVIRONMENTAL CONSERVATION
PA 190 ETHICS AND THE ENVIRONMENT
PS 104 AMERICAN POLITICAL PROCESSES OR PS 208 U.S. CONGRESS

Cognate Courses (any four courses; at least two must be above the 100-level):

BI 190 GENERAL ECOLOGY
BI 390 ADVANCED ECOLOGY

CH 103 FUNDAMENTALS OF CHEMISTRY I
 CH 170 CHEMISTRY FOR CITIZENS
 GL 112 ENVIRONMENTAL GEOLOGY
 GL 252 GEOMORPHIC PROCESSES
 MA 103 INTRODUCTION TO COMPUTERS OR MA 213 INTRO TO COMPUTER SCIENCE
 MA 106 INTRODUCTION TO STATISTICAL SCIENCE

One of the following foci:

ECONOMICS: EC 150, EC 210, EC 355, 1 additional course at the 200-300 level.
 GEOGRAPHY: GG 100, 4 additional courses at the 200-300 level, 1 course at the 400 level.
 PHILOSOPHY: PA 180, 4 additional courses at the 200-300 level, 1 course at the 400 level.
 SOCIOLOGY/ANTHROPOLOGY: SA 103, SA 190, SA 302, SA 710, 2 area studies courses.

Senior Independent Work. Some foci require independent work in the related department during the senior year. Students with other foci may also elect to do independent work; this work may be carried out either as a one-semester project (ES 500 INDEPENDENT STUDY) or as a two-or-more-semester project (ES 700 SENIOR THESIS). Students must carry out this work under the supervision of a faculty member in the department that best characterizes the research project. Students wishing to undertake a 500 or 700 project must submit a proposal well in advance of registration for the semester when the work is to be done. Proposals must be submitted to the project adviser, the Program Director, and an additional faculty member from the track. In addition, students undertaking a senior thesis must make a public presentation of the research and a defense of the thesis before a committee of at least three faculty members.

Honors Program. Students with an average of B+ or better in courses required for the major may apply for Program Honors before beginning a senior thesis (ES 700). Honors will be given for a thesis of superior quality (B+ or better).

ES 500 INDEPENDENT STUDY. Fall, Winter, Spring.

ES 700 SENIOR THESIS. Fall, Winter, Spring.

FRENCH

Professors: Simon Barenbaum, Edward Knox, Nancy O'Connor (at Middlebury in Paris), Carol Rifelj. Assistant Professors: Mireille Barbaud-McWilliams, Bethany Ladimer (on leave winter and spring terms), Roddey Reid. Visiting Assistant Professor: Beatrice Ness. Visiting Instructor: Stephanie Montgomery. Lecturer: Huguette Knox.

Major Program. Under The School in France, in paragraph 2, change the first sentence to: Students planning to participate in the program in Paris must have completed two full years of college at the time they undertake their study abroad; they must have taken at least one course beyond FR 205 by the spring before going to Paris; and they must have an overall average of at least B- and an average in French of at least B.

FR 101 INTENSIVE BEGINNING FRENCH. Winter. Note: This course is for students who have not studied French before.

FR 102 BEGINNING FRENCH. Spring.

FR 201 INTERMEDIATE FRENCH. Fall.

FR 202 INTERMEDIATE FRENCH. Fall, Spring. Ms. Montgomery.

PREREQUISITES TO THE MAJOR

FR 205 TOWARD LIBERATED EXPRESSION. Fall, Spring.

FR 206 INTRODUCTION TO CONTEMPORARY FRANCE. Fall, Spring. Ms. Knox, Mr. Reid.

FR 207 INTRODUCTION TO FRENCH POETRY. Spring. Ms. Barbaud-McWilliams.

FR 208 INTRODUCTION TO FRENCH THEATRE. Fall, Spring.

FR 209 INTRODUCTION TO FRENCH PROSE. Fall, Spring.

LANGUAGE, LITERATURE AND CIVILIZATION
(FR 112 HUMANISTS AND HEROES)

*FR 115 REALISM: FRENCH FICTION FROM STENDHAL TO PROUST. Fall. Ms. Rifelj.

*FR 120 WOMEN WRITERS IN FRANCE. Spring.

FR 215 IMPROVING WRITING IN FRENCH. Spring.

FR 222 FACETS OF A CHANGING FRANCE. Winter.

*FL 239 STRUCTURING THE CHAOS. Spring. (See Division of Foreign Languages listings for description.)

(FR 305 ADVANCED PRACTICE IN WRITTEN FRENCH)

FR 309 RENAISSANCES IN SIXTEENTH CENTURY LITERATURE. Spring.

FR 310 LITERATURE AND SOCIETY IN THE ANCIEN RÉGIME. Deleted.

(FR 311 VOLTAIRE, DIDEROT AND THE FRENCH ENLIGHTENMENT)

FR 312 THE EIGHTEENTH CENTURY NOVEL AND THE IMAGE OF WOMEN. Spring.

FR 313 TOPICS AND PROBLEMS IN CONTEMPORARY FRENCH CIVILIZATION. Spring. Staff.

FR 315 THE NINETEENTH CENTURY NOVEL. Fall. Mr. Reid.

FR 316 NINETEENTH CENTURY POETRY. Fall. Ms. Ness.

(FR 317 TWENTIETH CENTURY DRAMA: L'ACTE ET LA PAROLE)

FR 320 THE TWENTIETH CENTURY NOVEL. Changed to FR 720, below.

FR 321 FROM THE BAROQUE TO THE CLASSICAL STAGE. Fall.

(FR 324 CULTURE AND IDENTITY IN FRANCOPHONE LITERATURE)

FR 442 WORKSHOP IN FRENCH RADIO. Spring. Mr. Barenbaum.

FR 500 INDEPENDENT PROJECTS. Fall, Spring.

FR 700 SENIOR RESEARCH. Fall, Winter, Spring.

FR 704 SENIOR SEMINAR: THE TWENTIETH CENTURY NOVEL. Formerly FR 320. Fall. (See FR 320 listing in the Catalog for description.)

FR 705 SENIOR SEMINAR: TWENTIETH CENTURY POETRY. Spring. New Title and Description. Special attention will be given to the Surrealist movement. We will study its effect on 20th century poets--including Eluard Aragon, Reverdy, Supervielle, Max Jacob and others. Ms. Barbaud-McWilliams.

GEOGRAPHY

Associate Professor: Robert Churchill (chair). Assistant Professors: Ron Liebowitz, Tamar Mayer. Visiting Instructor: Paul W. Blank.

INTRODUCTORY COURSE

*GG 100 GEOGRAPHY: A MODERN SYNTHESIS. Fall, Spring. Mr. Liebowitz (Fall), Mr. Blank (Spring).

CORE COURSES

GG 250 PHYSICAL EARTH PROCESSES. Fall.

GG 310 QUANTITATIVE METHODS IN GEOGRAPHY. Fall. Mr. Blank.

GG 320 CARTOGRAPHY AND GRAPHICS. Spring.

GG 330 RESEARCH METHODS IN GEOGRAPHY. Spring.

400-LEVEL SEMINARS

GG 411 SEMINAR IN ECONOMIC GEOGRAPHY: WOMEN IN DEVELOPMENT. Spring. New Description. This course aims at understanding the effects that the development process has on women in the Third World. The course examines the impact of rural/urban and colonial/neo-colonial dichotomies on women. Emphasis is placed on trends in local food production and more generally, on women's participation -- formally and informally -- in the local and global labor force. Issues of interest to Western women such as violence against women, housework, sexuality, familial roles, rape, family planning, and political participation also are explored in context of the Third World. Ms. Mayer.

(GG 412 SEMINAR IN URBAN GEOGRAPHY)

(GG 415 SEMINAR IN POLITICAL GEOGRAPHY)

GG 422 SEMINAR IN SOVIET GEOGRAPHY: SOVIET NATIONALITIES. Fall. New Description. The multinational composition of the Soviet population underscores virtually all aspects of Soviet society. The concentration of many ethnic groups into well-defined geographic units, in addition to the vastly different cultural and socio-economic characteristics of the population, makes the Soviet multi-national experience far different than the American or Canadian examples. This course will focus on the challenges of the Soviet state as it tries to reduce national differences and transfer the allegiances from the individual ethnic group to the new "Soviet person," the socialist ideal. Special attention will be given to the key role the non-Russian nationalities will play in the future economic development of the Soviet State. (GG 222 or permission.) Mr. Liebowitz.

GG 450 SEMINAR IN PHYSICAL GEOGRAPHY: NATURAL HAZARDS. Fall. New Description. This seminar will explore the emergence, evolution, and current status of natural hazards research, with special emphasis on the role of perception and behavior in environmental management. The course will involve both critical analysis of past research and a group research project. (Junior and senior majors or permission.) Mr. Churchill.

NON-CORE COURSES

GG 210 THE GEOGRAPHY OF DEVELOPMENT. Fall. Ms. Mayer.

GG 211 ECONOMIC GEOGRAPHY. Spring. Mr. Blank.

GG 212 URBAN GEOGRAPHY: PATTERNS, PROBLEMS AND POLICIES. Spring.

(GG 213 POPULATION GEOGRAPHY)

GG 215 POLITICAL GEOGRAPHY. Spring. Mr. Liebowitz.

GG 220 GEOGRAPHICAL PERSPECTIVES ON THE MIDDLE EAST. Fall. New Title and Description. This course examines the Middle East and North Africa from a geographical perspective, with emphasis on environmental and historical underpinnings of the region, traditional patterns of cultural and ecological adaptation to aridity, the changing roles of city, village, and tribe under the impact of modernization, and structures of historical and contemporary political geography. Of special importance will be the development of the colonial and contemporary space-economies of the region. Mr. Blank.

GG 221 SOUTH AND EAST ASIA. Deleted.

GG 222 CONTEMPORARY GEOGRAPHY OF THE SOVIET UNION. Spring.

GG 230 SOCIAL ASPECTS OF ENVIRONMENTAL ISSUES. Fall. New Title.

GL 252 GEOMORPHIC PROCESSES. Spring. (See Geology listings for description.)

(GG 253 NATURAL HAZARDS)

GG 254 WEATHER AND CLIMATE. Fall. New Description. A systematic examination of the atmospheric processes that control weather and climate. Special attention is given to climate change, climate reconstruction, and inadvertent climate modification as the result of human activities. 3 hrs. lect., 3 hrs. lab. Mr. Churchill.

GG 500 RESEARCH IN GEOGRAPHY. Fall, Spring.

GG 700 SENIOR RESEARCH. Fall, Winter, Spring.

GEOLOGY

Professor: Brewster Baldwin. Associate Professor: Raymond Coish (chair). Assistant Professors: Peter Goreau, Lucy Harding, J. Murray Journey.

Major Program. Replace paragraph 2 with: The department's introductory courses include: ENVIRONMENTAL GEOLOGY (GL 112), GEOLOGIC TIME (GL 152), ELEMENTS OF OCEANOGRAPHY (GL 161), and GLOBAL TECTONICS (GL 170). These introduce students to active research areas in geological science and are vehicles for acquiring the basic understanding of processes which have shaped the earth. Students can enter the program in geological science through any of these courses, and may then concentrate in these or other areas depending on where their interests develop. GL 170 and GL 152 have been designated Foundations courses. GL 104 is a Foundations course designed for non-majors.

GL 101 NATIONAL PARKS. Fall. New Course. Geologic principles and processes are illustrated by sedimentary strata, volcanoes, glaciers, and other features of our National Parks. One concern of the course, developed mostly in class, is the geologic evolution of western North America, as illustrated by the geology of a number of national parks. The second concern will be the focus of papers on the history, goals, and philosophy of maintaining a national park--How do we maintain the natural wilderness features while encouraging public access? Should mineral resources be developed in or next to national parks? This course is designed to meet the freshman writing requirement. Mr. Baldwin.

*GL 104 EARTHQUAKES AND VOLCANOES. Spring. New Course. Why did Mount St. Helens erupt? When will the next great earthquake occur in California? Designed for non-majors, this course deals with the two greatest natural hazards. Topics include recent case histories, the plate tectonic causes for volcanic eruptions and earthquakes, and the art and science of forecasting natural disasters. The course also will explore the rapid evolution of scientific ideas that has led to a coherent theory on all geological processes affecting the planet Earth. 3 hrs. lect. Mr. Coish.

GL 112 ENVIRONMENTAL GEOLOGY. Spring. New Description. Geologic processes affect society and must be considered when making environmental decisions. This course uses discussion, lecture, lab and field format to introduce and come to a consensus on problems relating to soil erosion, ground and surface water supply, contamination of soils and water, floods, subsidence, landslides, earthquakes, volcanism, coastal erosion and energy sources. Six indoor labs study groundwater and environmental planning. Six field labs map the Bristol delta, the Weybridge Slump and part of Chipman Hill. 3 hrs. lect. and disc., 3 hrs. lab/field trips. Ms. Harding.

*GL 152 EVOLUTION OF THE EARTH. Spring. Field trips are a component of this course.

GL 161 ELEMENTS OF OCEANOGRAPHY. Fall. Field trips are a component of this course.

*GL 170 GLOBAL TECTONICS. Fall. Field trips are a component of this course.

GL 201 BEDROCK GEOLOGY OF VERMONT. Fall. New Description. A course designed to introduce students to the fascinating geology of New England.

Six field problems (combining class and lab time) to local areas are supported by lectures on classification and meaning of rocks. Emphasis on descriptive writing and on use of data to interpret origin of rocks. Last few labs are an introduction to fossils. Culminates in a written report on the geological evolution of Vermont. 3 hrs. lect., 3 hrs. lab/field trips. (An introductory geology course.) Ms. Harding.

GL 204 MARINE RESOURCES AND MANAGEMENT OF THE COASTAL ZONE. Spring. New Course. An interdisciplinary introduction to the wide range of policy issues surrounding human use of the coastal zone. Discussions will focus on a spectrum of topics including the physical, geological, and ecological processes characteristic of shoreland areas, the variety of human activities placing demands on the coastal resource base, the incidence and magnitude of adverse effects on ecological and amenity values, the history and institutional setting of coastal decision making, recent legislative and critical policy issues. (No prerequisites.) 3 hrs. lect./disc. Staff.

GL 211 MINERALOGY. Fall.

GL 222 NATURAL RESOURCES OF SOUTH AFRICA. Spring.

GL 252 GEOMORPHIC PROCESSES. Spring.

GL 321 SEDIMENTARY ROCKS. Fall.

GL 322 IGNEOUS PETROLOGY. Spring.

GL 332 METAMORPHIC PETROLOGY. Spring.

GL 342 MARINE GEOLOGY. Spring.

GL 381 STRUCTURAL GEOLOGY. Fall. Field trips are a component of this course.

GL 382 GEOPHYSICS. Spring.

GL 401 STRATIGRAPHY AND TECTONICS. Fall.

(GL 402 GEOCHEMISTRY)

GL 403 MOUNTAIN SYSTEMS--STRUCTURAL AND THERMAL EVOLUTION. Fall.

GL 404 MODERN PROCESSES. Fall.

GL 500 READINGS AND RESEARCH. Fall, Spring.

GL 700 SENIOR RESEARCH

GL 750 SENIOR THESIS (ENVIRONMENTAL STUDIES). Fall, Winter, Spring.

GERMAN

Professors: Thomas Huber (at Middlebury in Mainz), Kimberly Sparks, Van Horn Vail. Lecturer: Constance Kenna. Assistant: To Be Appointed.

Major Program. In paragraph 1, replace the first sentence with: Departmental students are normally expected to take eight courses above the 200-level.

Also in paragraph 1, replace the final sentence with: Junior majors will normally spend one or two semesters at the Johannes Gutenberg-Universitat in Mainz.

Under Prerequisites for Study Abroad, replace all copy with: For the program in Mainz at least two courses above GN 202. Students must have junior standing by the time they begin their studies abroad. General Programs Abroad Committee guidelines apply. There is no comprehensive examination in the senior year, but students returning from Mainz are expected to take a German course each semester.

GN 101 ELEMENTARY GERMAN. Fall.

GN 102 ELEMENTARY GERMAN. Spring.

GN 201 INTERMEDIATE GERMAN. Fall.

GN 202 ADVANCED GERMAN. Spring.

(GN 303 STYLISTICS)

(GN 305 THE GERMAN NOVELLE I)

GN 306 THE GERMAN NOVELLE II. Fall. Readings will range from Goethe to Hauptmann.

GN 307 THE GERMAN NOVELLE III. Spring.

(GN 310 GERMAN IN ITS CULTURAL CONTEXTS)

GN 315 GERMAN DRAMA. Deleted. (See GN 341.)

GN 316 BERLIN EAST AND WEST. Fall. New Course. As the divided city of Berlin celebrates its 750th anniversary, students in the course will study the city's history, culture, society, economy and politics. Special attention will be paid to divergent developments in East and West Berlin since World War II and the role the city has played in the arena of East-West relations. All readings, discussions and papers will be in German. Focus will be on vocabulary acquisition in a regional context. Ms. Kenna.

GN 321 BUSINESS GERMAN AND GERMAN BUSINESS. Deleted.

(GN 341 MODERN GERMAN DRAMA)

(GN 401 EMERGENCE OF GERMAN AS A LITERARY LANGUAGE)

(GN 402 ESTABLISHMENT OF GERMAN AS A LITERARY LANGUAGE)

(GN 406 ROMANTICISM)

GN 410 GERMAN LYRIC POETRY. Fall. This course is no longer limited to seniors.

(GN 414 MODERN GERMAN HISTORICAL FICTION)

(GN 418 THEODOR FONTANE: STORIES OF LOVE AND SOCIETY)

GN 421 MODERN GERMAN DRAMA. Deleted. (See GN 341, above.)

GN 430 VIENNA--CULTURE AND LITERATURE. Spring. This course is no longer limited to seniors.

(GN 431 BERLIN--CULTURE AND LITERATURE)

GN 500 INDEPENDENT STUDY

GN 800 HONORS PROJECT

HISTORY

Professors: Travis Jacobs (chair), Nicholas Clifford, Marjorie Lamberti, John McCardell, John Spencer, Pardon Tillinghast. Associate Professor: David Macey (on leave all year). Assistant Professors: Barbara Bellows, Paul Monod, Don Wyatt. Visiting Assistant Professor: Susan Gray.

FOUNDATIONS COURSES

*HI 103 INDIVIDUALS AND ORGANIZATIONS. Fall.

(*HI 104 MODERN REVOLUTIONS). Offered in 1988-89.

HI 110 FRESHMAN SEMINARS. Spring. New Course. The department will offer a number of freshman seminars on different topics in European and

non-Western history. One seminar will fulfill the freshman writing requirement. Staff.

LECTURE COURSES

HI 203 UNITED STATES HISTORY, 1492-1861. Fall.

HI 204 UNITED STATES HISTORY, 1861-1945. Spring. Ms. Bellows and Staff.

(HI 214 SOCIETY AND CULTURE IN WESTERN EUROPE, 1500-1800)

HI 215 HISTORY OF MODERN EUROPE, 1800-1900. Fall.

HI 216 HISTORY OF MODERN EUROPE, 1900-1968. Spring.

(HI 225 THE FOUNDATIONS OF MODERN AFRICA). Offered in 1988-89.

HI 226 MODERN AFRICA. Fall. Mr. Spencer.

HI 235 MODERN EAST ASIA: 1750-1912. Fall. New Description. The course will examine the histories of China and Japan during the period in which the traditional Societies of those countries under the Ch'ing dynasty and the Tokugawa shogunate first came into contact with a dynamic western expansion which the old institutions could not comprehend. The course will conclude with the republican revolution in China and the Meiji restoration in Japan. Mr. Clifford.

HI 236 MODERN EAST ASIA: 1912-1976. Spring. New Description. The course will examine the divergent yet closely related experiences of China and Japan in the 20th century: the disintegration of traditional Chinese society and politics with the fall of the empire and the attempts at reintegration through revolution, as well as Japan's accomplishments in modernization, her disastrous invasion of China and her recovery since the war. HI 235, while helpful, is not a prerequisite to this course. Mr. Clifford.

HI 238 MODERN MIDDLE EAST HISTORY. Spring. New Description. An introduction to the history of the Middle East with an emphasis on the evolution of the Arab-Israeli confrontation. The course examines first the roots of the conflict in the Jewish diaspora, in the emergence of Islam and in the European intrusion into the Middle East. During the second half of the semester, the focus is on developments in the Middle East from the post-World War II period until today. Mr. Spencer.

HI 247 RUSSIAN HISTORY TO THE GREAT REFORMS. Spring. Staff.

HI 248 RUSSIAN HISTORY FROM THE GREAT REFORMS TO THE PRESENT. Fall. New Description. A study of the social, economic, and political courses and consequences of the Russian Revolutions of 1905 and February and October 1917 as a basis for understanding the dilemmas of the Soviet system. The course will be divided equally between pre- and post-revolutionary periods with a final segment on the nature of contemporary Soviet society. Staff.

HI 285 COLONIAL LATIN AMERICAN HISTORY. Fall. New Description. This course is a general survey of colonial Latin American history, with emphasis on the Viceroyalty of Peru (Spanish-speaking South America). Particular attention is given to the following themes: 1) the transformation of indigenous communities, 2) the expansion and characteristics of the hacienda, 3) the dynamics of the mining sector and its influence on the social and economic development of the region, and 4) the nature of the independent movements. Ms. Dore.

HI 286 MODERN LATIN AMERICAN HISTORY. Spring. New Description. This survey course covers 19th and 20 century Latin American history with emphasis on Spanish speaking South America and Central America. The course focuses on: 1) the effect of the wars and of independence on the social and economic structures of the region, 2) the barriers to the transition from forced to free labor systems, 3) the relationship between landed and industrial elites, 4) the nature of the state and its role in national economic development, 5) the experience of nationalist, populist and authoritarian movements, and 6) the economic and social crisis of the 1970's - 1980's. Ms. Dore.

HI 331 IMPERIAL CHINA. Fall.

(HI 332 MODERN CHINA)

HI 333 CHINESE INTELLECTUAL HISTORY. Spring.

(HI 335 TRADITIONAL JAPAN)

HI 336 MODERN JAPAN. Fall.

HI 339 HISTORY OF SOUTHERN AFRICA. Spring. New Description. Few parts of the world today are as volatile as Southern Africa. The aim of this course is to give students an understanding of the origins and development of the explosive situation there through an historical examination of its unique mix of cultural, economic, political and social factors. The period covered is from before the arrival of the Europeans to today. Mr. Spencer.

HI 341 THE CIVILIZATION OF THE DARK AGES. Winter. New Description. Western Europe from the 5th to the 11th centuries. This was a barbaric world, shot through with memories of former grandeur, but with little to hope for from the future. In view of this outlook, its achievements were astonishing. This course will be offered during winter term 1988. Mr. Tillinghast.

HI 342 THE MEDIEVAL OUTLOOK, 1050-1300. Spring. New Description. During the 11th century, something happened to the peoples in Western Europe: an outburst of energy in every field transformed them within 200 years from semi-barbarians into members of an alert and driving group of cultures. Then the advances began to slow down. The course will try to find out why. Mr. Tillinghast.

(HI 343 EUROPE IN THE RENAISSANCE). Offered in 1988-89.

(HI 344 THE REFORMATION). Offered in 1988-89.

(HI 346 HISTORY OF FRANCE, 1750-1940)

HI 349 HISTORY OF GERMANY FROM 1648 TO THE TWENTIETH CENTURY. Fall. New Description. The course begins with the rise of the Hohenzollerns and the expansion of Brandenburg-Prussia in the 17th and 18th centuries. It covers the movement of national unification from the revolution of 1848 to the founding of the German Empire. The study of Imperial Germany gives particular attention to the social and political strains and conflicts generated by the attempt to combine a dynamic industrial society with political authoritarianism and the power and privilege of traditional elites and to Germany's bid for world power leading to the outbreak of the First World War. Miss Lamberti.

HI 353 BRITISH HISTORY, 1603-1815. Fall. New Description. The medieval pattern of English society disintegrated in the 17th century. The unity of the English Church, the relationship between Crown and Parliament, even the social hierarchy, were threatened by new developments. After generations of civil war, revolution, and party strife, the 18th century saw the establishment of the oligarchical but more flexible order, able to withstand the challenges of radicalism and the American and French Revolutions. By 1815 Britain, at the peak of its power in Europe, was already beginning to experience the tensions of industrialism. This course will concentrate on the religious, social and political aspects of these transformations. Mr. Monod.

(HI 354 BRITISH HISTORY, 1603-1815). Offered in 1988-89.

HI 361 COLONIAL AMERICA. Fall. New Description. This course will cover the period from the first settlements to 1763 and will focus upon the efforts to transplant European institutions to the New World and the evolution of the American culture. Special emphasis will be placed upon colonial religion and social structure (especially the New England community and family), origins of Southern slavery, conflicts over political authority and the early developments in republican and Revolutionary ideology. Ms. Gray.

HI 362 REVOLUTIONARY AMERICA, 1763-1800. Spring. New Description. A study of the origins, progress, and significance of the American Revolution, emphasizing the disruption of the balance of empire, the ideology of revolution, the framing of new governments and the first decade of nationhood under the Constitution. Ms. Gray.

(HI 363 JEFFERSONIAN AND JACKSONIAN AMERICA, 1800-1848)

HI 364 CIVIL WAR AND RECONSTRUCTION, 1845-1890. Fall. New Description. A close study of the impact of sectional conflict on American political, social, economic and intellectual life. The course will emphasize and attempt to explain both the transforming nature of the war and the limits of reconstruction. Ms. Bellows.

(HI 365 VICTORIAN AMERICA: 1877-1919)

(HI 366 THE AMERICAN FRONTIER, 1789-1892)

HI 367 TWENTIETH CENTURY AMERICA, 1920-1948. Fall. New Description. A study of the political and social history of the United States since the First World War, concentrating on the 1920's, the Great Depression, the New Deal, the coming of World War II, the impact of war on American domestic and foreign affairs in the 1940's, and the emerging Cold War. Mr. Jacobs.

HI 368 TWENTIETH CENTURY AMERICA, 1948-PRESENT. Spring. New Description. A study of the political and social history of the postwar United States, concentrating on the impact of the Cold War, the Korean conflict and McCarthyism on Truman's Fair Deal, the 1950's, the New Frontier, the Great Society, the Vietnam War, Nixon, the Watergate scandal, the 1970's and the end of American progressivism, and the reemergence of conservatism in the 1970's and 1980's. Mr. Jacobs.

(HI 371 BLACK HISTORY). Offered in 1988-89.

READING COURSES

HI 403 MAJOR THEMES IN MODERN EUROPEAN HISTORY. Fall.

HI 404 THE SOVIET UNION. Spring. Staff.

HI 405 READINGS IN AMERICAN HISTORY. Fall, Spring.

HI 405A GREAT AMERICAN HISTORIANS. Fall. Mr. Jacobs.

HI 405B READINGS IN THE HISTORY OF AMERICAN THOUGHT, 1789-1930. Spring. New Title and Description. A survey of the mainstreams of American thought from the ideology of the American Revolution to the development of modern liberalism. Through careful reading of primary texts, students will consider the patterns of social, economic and political ideas, not as abstractions, but as forces influencing the course of American history. Emphasis will be placed upon the traditions from which these concepts, such as millennialism or manifest destiny, evolved and the historical milieu in which they found acceptance. Consideration will also be given to the major challenges to accepted American doctrines offered by socialists, black nationalists and feminists. Ms. Bellows.

HI 407 READINGS IN AFRICAN HISTORY. Fall. New Title and Description. A study of colonialism in Africa based on novels and associated background readings. Authors include Chinua Achebe, Joseph Conrad, J. M. Coetzee, Nadine Gordimer, Sembene Ousman, and Ngugi wa Thiongo. Mr. Spencer.

HI 409 READINGS IN ASIAN HISTORY. Fall. New Description. Communism in China. An analysis of Marxism's appeal to Chinese intellectuals during the 1920's, its evolution as a mass movement in the next two decades and its further development in China with the inauguration of the PRC. Equal emphasis will be placed on the pre-and post-1949 periods, with readings designed to help students independently to understand the nature of the political order. Mr. Clifford.

HI 411 THE HISTORICAL ROOTS OF THE CENTRAL AMERICAN CRISIS. Spring. New Title and Description. This course analyzes the historical development of Central America from the colonial period to the present. It traces

the roots of the current political and economic crisis of the region by focusing on: 1) the persistence of traditional land tenure systems, 2) the strength of the military, and 3) U.S. political and economic intervention in the region. Ms. Dore.

(HI 413 TOPICS IN MODERN EUROPEAN HISTORY)

(HI 415 TOPICS IN AMERICAN HISTORY)

RESEARCH SEMINARS

HI 420 WRITING AND RESEARCH IN EUROPEAN HISTORY. Spring. Mr. Monod.

HI 422 WRITING AND RESEARCH IN AMERICAN HISTORY. Spring. Ms. Gray, Mr. Jacobs.

HI 424 WRITING AND RESEARCH IN NON-WESTERN HISTORY: IMPERIALISM. Spring. New Description. Seminar on the impact of Western expansion on the rest of the world. Geographical areas and topics emphasized will vary, with Africa and the Middle East as the most probable foci. Mr. Spencer.

HI 426 WRITING AND RESEARCH, EAST ASIA. Spring. New Course. Seminar for East Asian Studies majors at the junior-year level designed to familiarize the student in an interdisciplinary fashion with seminal works in East Asian history, literature and the social sciences, while also enhancing basic research skills. Some language training is expected, as research tools to be introduced will include works in English, Chinese and Japanese. Mr. Wyatt.

HI 500 SPECIAL RESEARCH PROJECTS. Fall, Spring.

HI 700 SENIOR INDEPENDENT STUDY. Fall, Winter, Spring.

HI 705 TEACHING ASSISTANTSHIP. Fall, Spring.

INTERNATIONAL POLITICS AND ECONOMICS

Co-Directors: Russell Leng (Professor of Political Science) and Michael Claudon (Professor of Economics).

Under C. Year or Term of Study Abroad, add: Students in International Politics and Economics must complete their normal standard linguistic competence before going abroad.

ITALIAN

See SPANISH/ITALIAN.

JAPANESE

Professor: Hiroshi Miyaji. Instructor: Linda K. Keenan. Assistant: Ken-ichi Miura.

LANGUAGE COURSES

JA 101 BEGINNING JAPANESE. Fall. Ms. Keenan, Mr. Miura.

JA 102/WT BEGINNING JAPANESE. Winter.

JA 102 BEGINNING JAPANESE. Spring. Ms. Keenan, Mr. Miura.

JA 201 INTERMEDIATE JAPANESE. Fall.

JA 202 INTERMEDIATE JAPANESE. Spring.

JA 301 ADVANCED JAPANESE. Fall. Ms. Keenan, Mr. Miura.

JA 302 ADVANCED JAPANESE. Spring. Ms. Keenan, Mr. Miura.

JA 401 and 402 ADVANCED READING. Fall and Spring.

LITERATURE COURSES

JA 216 TRADITIONAL JAPANESE LITERATURE IN TRANSLATION. Fall. New Course. An approach to the rich diversity of the Japanese tradition through its major literary genres. Representative works of pre-Meiji

Japan will be read in translation. Particular attention will be given to the prevailing themes of aristocratic, warrior and townsman cultures, which dominated by turn the literary and other artistic expressions of premodern Japan. Ms. Keenan.

JA 220 THE NOVEL AND THE NOVELIST IN MODERN JAPAN. Spring. New Course. In a culture where "the nail that sticks out gets hammered down," where the individual tends to suppress his own feelings for the sake of group harmony, what is the place of the Japanese novelist--often a noticeably unique personality who undertakes in his works to expose quite explicitly the idiosyncracies of his innermost self? The lives, works and themes of such major 20th-century writers as Natsume Soseki, Akutagawa Ryunosuke, Tanizaki Jun'ichiro, Kawabata Yasunari and Oe Kenzaburo will be considered in depth, through English translations of their works and critical studies of these authors. Ms. Keenan.

LINGUISTICS

Assistant Professor: Jeannine Heny.

*FL 201 INTRODUCTION TO LINGUISTICS. Fall. (See Division of Foreign Languages listings for description.)

*LI 206 THINKING LINGUISTICS. Fall.

LI 211 SOCIOLINGUISTICS. Spring.

LI 212 PSYCHOLINGUISTICS. Fall.

LI 213 BILINGUALISM. Spring.

(LI 215 HISTORICAL LINGUISTICS)

(LI 225 SOUND PATTERNS IN LANGUAGE)

(LI 295 GERMANIC LINGUISTICS)

(LI 301 ROMANCE LINGUISTICS)

(LI 312 INTRODUCTION TO HISTORICAL AND COMPARATIVE LINGUISTICS)

LI 500 INDEPENDENT STUDY. Fall, Winter, Spring.

LITERARY STUDIES

Acting Director: John Bertolini.

Major Program. Add to the list of authors: Tirse de Molinz Calderon, Lope de Vega and Borges.

Under HISTORICAL course list, take out of brackets:

*RE 110 FOUNDATIONS OF WESTERN RELIGIOUS LIFE AND THOUGHT. Spring.

Under THEORETICAL course list,

Put in brackets:

(CS/LS INTRODUCTION TO LITERARY CRITICISM AND ANALYSIS)

Add:

*FL 239 STRUCTURING THE CHAOS. Spring.

NOTE: In item (4) under Major Requirement, the one-hour oral examination will be taken before the written comprehensive examination in the senior year.

(LS 260 INTRODUCTION TO LITERARY CRITICISM AND ANALYSIS). Offered in 1988-89.

LS 500 INDEPENDENT READING COURSE. Fall. Mr. Bertolini.

LS 700 SPECIAL RESEARCH. Winter. Mr. Bertolini.

LS 705 SENIOR COLLOQUIUM. Fall. Mr. Bertolini.

MATHEMATICS AND COMPUTER SCIENCE

Professors: Michael Olinick, Bruce Peterson, John Emerson, Robert Martin. Assistant Professors: Priscilla Bremser, David Dorman, Claudia Henrion, Peter Schumer, John Thompson-Rohrlich. Visiting Instructors: Janine Clookey, William LaGasse, Dorothy Mammen.

*MA 103 INTRODUCTION TO COMPUTERS. Fall, Spring. Ms. Henrion, Ms. Merz.

*MA 105 FINITE MATHEMATICS: PROBABILITY, MATRICES AND PROGRAMMING. Spring. Ms. Clookey.

(*MA 106 INTRODUCTION TO STATISTICAL SCIENCE)

MA 112 CALCULUS I. Fall, Spring. New Title.

MA 113 CALCULUS II. Fall, Spring. New Title.

(MA 127 ELEMENTARY COMPUTER SIMULATION)

MA 200 LINEAR ALGEBRA. Fall, Spring. Mr. Dorman.

MA 201 MULTIVARIABLE CALCULUS. Fall, Spring. New Title. Ms. Clookey, Mr. Schumer.

MA 203 DISCRETE STRUCTURES AND LINEAR ALGEBRA. Spring.

*MA 213 COMPUTER SCIENCE I. Fall, Spring. Mr. Olinick, Ms. Mammen.

MA 214 COMPUTER SCIENCE II. Fall, Spring. Mr. Thompson-Rohrlich.

MA 226 GEOMETRY AND COMPUTER GRAPHICS. Spring. New Description. The mathematical techniques for creating graphics on the computer. Topics include clipping, perspective, coordinate transformations, hidden surface algorithms, and animation. (MA 201 and at least one course in structured programming.) Mr. Martin.

*MA 227 SET THEORY. Spring. New Description. This course will begin with a review of the basic facts of union, intersection and complementation of sets. We will also study functions, equivalence relations and orderings in the context of set theory. The main effort will be the study of ordinal numbers, cardinal numbers, the axiom of choice and transfinite induction. (MA 113 or permission.) Ms. Henrion.

(MA 228 MATHEMATICAL LOGIC)

(MA 240 HISTORY OF MATHEMATICS)

MA 302 ABSTRACT ALGEBRA I. Fall.

MA 310 PROBABILITY. Fall. New Description. An introduction to the concepts of probability and their applications, covering both discrete and continuous random variables. Probability spaces, elementary combinatorial analysis, densities and distributions, conditional probabilities, independence, expectation, variance, Weak Law of Large Numbers and Central Limit Theorem. Numerous applications. (MA 200.) Mr. Emerson.

MA 311 STATISTICS. Spring. New Description. An introduction to the mathematical methods of statistical inference. Topics will include: loss function, risk function, parametric and non-parametric problems, estimation, efficiency and the Neyman-Pearson Lemma. Classical tests within the normal theory such as F-test, t-test, and chi-square test will also be considered. Students preparing to take statistics should note that a linear algebra background (MA 200) is helpful in using linear statistical models. There will be some emphasis on applications to problems of other disciplines. (MA 310.) Mr. Emerson.

(MA 315 MATHEMATICAL MODELS IN THE SOCIAL, LIFE AND MANAGEMENT SCIENCES)

(MA 318 OPERATIONS RESEARCH)

(MA 321 ELEMENTARY NUMBER THEORY)

MA 323 COMPUTER SYSTEMS AND ASSEMBLY LANGUAGE PROGRAMMING. Fall.

(MA 324 NUMERICAL ANALYSIS)

(MA 325 DATA STRUCTURES AND FILE PROCESSING)

(MA 326 ARTIFICIAL INTELLIGENCE)

(MA 328 ADVANCED TOPICS IN CRYPTOLOGY)

MA 341 OPERATING SYSTEMS. Spring. New Course. The computer software and firmware that comprise the interface between user and hardware. Topics include process management, storage management, scheduling, and security. (MA 214.) Mr. Thompson-Rohrlich.

MA 401 ADVANCED CALCULUS. Fall.

MA 403 ABSTRACT ALGEBRA II. Spring. New Title and Description. A study of the theory of fields. Algebraic extensions, algebraically closed fields, finite fields, Galois theory, solvability of polynomial equations by radicals, classic constructability problems. Other topics may include the classical groups, elementary algebraic number theory of algebraic curve theory. (MA 302 or permission from the instructor.) Mr. Schumer.

MA 411 ELEMENTARY TOPOLOGY. Fall. New Course. A introduction to the concepts of topology. Theory of sets, topology of the real line, continuous functions and homeomorphisms, compactness, connectedness, metric and function spaces, selected topics from the topology of Euclidean space. (MA 201 or permission.) Mr. Olinick.

(MA 413 ORDINARY DIFFERENTIAL EQUATIONS)

MA 421 THEORY OF COMPUTATION. Fall. New Description. An introduction to varied topics in theoretical computer science, including finite state automata, formal languages, Turing machines, and NP-completeness. (MA 214.) Ms. Mammen.

(MA 423 ALGORITHMS AND COMPLEXITY)

(MA 431 COMPLEX ANALYSIS)

MA 500 ADVANCED STUDY. Fall, Spring.

MA 704 SENIOR SEMINAR. Fall, Spring. Ms. Bremser, Mr. Dorman.

MUSIC

Professor: George Todd (chair). Assistant Professors: Susan Cook, Gregory Vitercik. Visiting Assistant Professor: Gary Towne.

Organist and Choir Director, Fletcher Professor of the Arts: Emory Fanning.

Major Program. Replace paragraph 1 with: The Music Department offers courses in theory, history and performance. Majors are required to take MU 209-210, MU 309-310, MU 220-221, MU 306 or 307, MU 390, four upper-level elective courses, plus one or two units of senior work. In addition to the curricular requirements, majors are expected to participate for four semesters in departmental ensembles: Choir, Orchestra, Early Music Group, Contemporary Music Ensemble, or other approved chamber ensembles.

*MU 101 INTRODUCTION TO MUSICAL STYLES. Fall.

*MU 105 PERSPECTIVES OF MUSIC. Spring. New Description. Perspectives of music is intended as an overview of the ways that man approaches music as a study. Lectures will deal with the perspective of not only the composer, the performer and the listener, but also the physicist, the psychologist, the anthropologist, the dramatist and the historian. Mr. Todd, Mr. Vitercik.

*MU 109 RUDIMENTS OF MUSIC. Fall, Spring. Mr. Towne (Fall), Mr. Todd (Spring).

MU 140 HISTORY AND THE ARTS IN THE ITALIAN RENAISSANCE. Spring. New Course. This course will cultivate personal involvement in the Italian Renaissance from 1300 to 1600, through classes in the arts and history of the period. Lectures will explore historical and literary forces which developed new expressiveness in music and other arts. Seminar papers and discussions will explore these relationships. Subjects will include Renaissance Politics, Humanism, Petrarch, Machiavelli, Leonardo da Vinci, Michelangelo, and the Italian Madrigal. Literature will be read in translation. Students from all backgrounds are welcomed. No previous knowledge is assumed. This course fulfills the freshman writing requirement. Mr. Towne.

MU 201 MUSIC IN OUR TIME: PEOPLE, PLACES, DECADES. Spring. New Course. This course will examine a number of different individuals, trends, styles and genres which together have made up musical life in this century. Topics to be covered include: the beginning of a modern music aesthetic in the work of Claude Debussy, Igor Stravinsky, Charles Ives, Arnold Schonberg, the current work of a number of living composers, the birth and first decades of Rock and Roll and the evolution and influence of American Jazz. There is no prerequisite for this course and no assumptions are made about prior musical knowledge. Ms. Cook.

MU 205 PERFORMANCE LAB. Fall, Spring. Staff.

MU 209 THEORY. Fall. Mr. Vitercik.

MU 210 THEORY. Spring. Mr. Towne.

MU 220 SURVEY OF MUSIC HISTORY. Fall. New Description. A chronological survey of the history of Western music, from the earliest written music through the middle of the 18th century. It includes the music of ancient Greece, Gregorian chant, troubadour song, and music of the Middle Ages, the Renaissance and the Baroque. Among the composers discussed are Josquin Desprez, Palestrina, Vivaldi, Bach, and Handel. Analysis of the music of a given era will be supplemented by consideration of the ways in which music and other arts reflect the history and culture of their times. Ability to read music helpful, but not required. Mr. Towne.

MU 221 SURVEY OF MUSIC HISTORY. Spring. Mr. Vitercik.

MU 230 INSTRUMENTAL COMPOSITION. Fall. New Course. This course will focus on the fundamentals of orchestration and its application to the composition of works in various tonal and contemporary harmonic vocabularies. The models for the course will be pieces from both classical and popular literature from which students will be encouraged to develop their own styles and techniques. The ability to read music and play an instrument is assumed. Mr. Todd.

MU 250 INTRODUCTION TO ELECTROACOUSTIC MUSIC. Fall. New Description. The underlying assumption of this introductory course is that music and technology can illuminate each other. In weekly studio, homework and listening assignments, students will be asked to analyze and manipulate sound on the Synclavier Computer Music System, applying their acoustical discoveries to understanding musical works and to the composition of original electronic music. No computer or musical experience is assumed. MU 250 is prerequisite to MU 350, Electroacoustic Music Composition. Mr. Todd.

MU 306 PERFORMANCE CLASS. Fall. New Description. This course is run as a weekly seminar in which all students perform as soloists and in ensembles and participate in discussions of topics and readings related to performing. Students will attend live events on and off campus. Staff.

MU 307 PERFORMANCE CLASS. Spring. Staff.

MU 309 ANALYSIS. Fall. Mr. Todd.

MU 310 ANALYSIS. Spring. Mr. Vitercik.

(MU 321 MUSIC IN THE MEDIEVAL AND RENAISSANCE PERIODS)

(MU 322 MUSIC IN THE BAROQUE ERA)

MU 323 MUSIC IN THE CLASSICAL PERIOD. Deleted.

(MU 324 MUSIC IN THE ROMANTIC ERA)

(MU 325 MUSIC IN THE TWENTIETH CENTURY)

MU 326 AMERICAN MUSIC. Spring.

MU 329 THE STUDY OF MUSICAL INSTRUMENTS. Deleted.

MU 330 SYMPHONIC LITERATURE. Fall. New Description. This course will examine some of the principal genres of orchestral music--symphony and overture, program music and ballet--in an attempt to trace both transformations within the language of music over the past 200 years, and the special demands generated during that period by a rapidly growing and radically changing musical audience. The goal of this investigation is a better understanding of the interaction between a composer and his audience out of which musical understanding arises. No prerequisite; however, the ability to read music is assumed. Mr. Vitercik.

(MU 331 HISTORY OF OPERA)

MU 350 ELECTROACOUSTIC MUSIC COMPOSITION. Spring. New Description. This course will build on the materials studied in Introduction to Music through Electroacoustics (MU 250) which is prerequisite to MU 350. Students will compose electronic and/or mixed media pieces using the College's Synclavier Digital Music System. Mr. Todd.

(MU 360 WOMEN IN MUSIC)

MU 390 JUNIOR SEMINAR IN MUSIC. Fall.

MU 500 INDEPENDENT STUDY

MU 704 SENIOR WORK

PERFORMANCE STUDIES

Replace paragraphs 4 and 5 with: Students who wish private instruction in piano (beginning and advanced), organ, harpsichord, cello, violin, viola, horn, clarinet, flute, classical guitar or voice should enroll with the department before registration. Inasmuch as spaces are limited, auditions may be required.

Contracts must be signed before lessons begin and are binding. Fees are to be paid to the Cashier's Office upon receipt of a bill at the beginning of each term. No rebate is allowed for lessons missed except in the case of injury or continued illness. Performance studies consist of one lesson weekly.

Private Instruction remains the same, with the following exceptions:

Private instruction in piano	Ms. Fanning, Ms. McClain
Private instruction in horn	Mr. Parshley
Private instruction in clarinet	Mr. McBride

Music Library. Mr. McBride, Librarian.

Electronic Music Studio. Mr. Todd.

College Orchestra. Mr. Vitercik.

Chamber Ensembles. Staff.

Early Music Group. Vocal and instrumental ensembles including students, faculty and community members dedicated to the performance of masterpieces of Medieval, Renaissance and Baroque music. Rehearses weekly. Performs in concert and a Renaissance ball. Mr. Towne.

Contemporary Music Ensemble. Contemporary Music Ensemble is decided to the performance of new works in various mediums. Weekly rehearsals. Mr. Todd, Mr. McBride.

College Choir. Mr. Fanning.

PROGRAM IN NORTHERN STUDIES

Associate Professor: C. Randall Landgren (Director). Assistant Professor: William Howland. Adjunct Professor: Steven B. Young.

Major Program. Add the following:

Joint Major in Geography and Northern Studies. This joint endeavor is designed to provide a structured major drawn from the social and natural sciences to allow students to develop a strong foundation in geography, closely coordinated with an emphasis on the physical environments and cultures of the circumpolar North. This major will offer students the geographical concepts and skills needed to study the spatial organization of society and the relationships between humans and their physical environments. Within this context it will emphasize the nature of the polar world, and the economic, legal, cultural and environmental dimensions of the North as a homeland and as a frontier, to native and non-native northerners respectively.

The following course requirements for the joint major comprise 14 credits. One term, normally in the junior year, will be spent at the Center for Northern Studies in Wolcott. Courses that may be taken at the Center are flagged with +.

Introductory Level Courses: (3)

- (Required) GG 100 GEOGRAPHY: A MODERN SYNTHESIS
- (Required) NE 151 INTRODUCTION TO THE POLAR ENVIRONMENTS
- (Required) NE 152 PUBLIC POLICY IN ARCTIC AND SUBARCTIC NORTH AMERICA

Upper Level Courses: (11)

- GG 250 PHYSICAL EARTH PROCESSES
- (Any 2 of these 4) GG 222 CONTEMPORARY GEOGRAPHY OF SOVIET UNION
- GG 210 THE GEOGRAPHY OF DEVELOPMENT
- GG 230 SOCIAL ASPECTS OF ENVIRONMENTAL CONSERVATION
- (Required) NE 252 BIOGEOGRAPHY (ARCTIC AND ALPINE EMPHASIS)
- (Required) GG 254 WEATHER AND CLIMATE
- NE 310 PALEOENVIRONMENT AND PREHISTORY OF THE CIRCUMPOLAR NORTH
- NE 330 INDIGENOUS CULTURES OF THE CIRCUMPOLAR NORTH+
- (Any 4 of these 7) NE 370 NORTHERN POLICY SEMINAR: CONTEMPORARY SUBSISTENCE+
- NE 380 COMMUNITY DEVELOPMENT IN THE CIRCUMPOLAR NORTH+
- NE 390 NORTHERN LEGAL ISSUES+
- NE 395 NORTHERN RESOURCE CONFLICTS+
- NE 500 INDEPENDENT STUDY+
- (Required) GG 310 QUANTITATIVE METHODS IN GEOGRAPHY
- (Required) GG 320 CARTOGRAPHY AND GRAPHICS
- (Required) NE 451 SENIOR SEMINAR: NORTHERN RESEARCH

(For Honors) NE 700 or GG 700 SENIOR RESEARCH

NE 151 INTRODUCTION TO THE POLAR ENVIRONMENTS. Fall.

NE 152 PUBLIC POLICY IN ARCTIC AND SUBARCTIC NORTH AMERICA. Spring.

NE 252 BIOGEOGRAPHY. Spring.

NE 451 SENIOR SEMINAR: NORTHERN RESEARCH. Fall.

FALL SEMESTER-IN-RESIDENCE AT THE CENTER FOR NORTHERN STUDIES

NE 310 PALEOENVIRONMENT AND PREHISTORY OF THE CIRCUMPOLAR NORTH. Fall. 3 hrs. seminar and field work.

NE 320 DYNAMICS AND CHARACTERIZATION OF NORTHERN ECOSYSTEMS. Fall. Staff.

NE 330 INDIGENOUS CULTURES OF THE CIRCUMPOLAR NORTH. Fall.

NE 340 POLAR BIOTA. Fall. 3 hrs. lect., lab.

WINTER TERM-IN-RESIDENCE AT THE CENTER FOR NORTHERN STUDIES

NE 350 WINTER ECOLOGY. Winter.

SPRING SEMESTER-IN-RESIDENCE AT THE CENTER FOR NORTHERN STUDIES
NE 360 THE POLITICAL ECONOMY OF RESOURCE MANAGEMENT. Spring.

NE 370 NORTHERN POLICY STUDIES. Spring.

NE 380 COMMUNITY DEVELOPMENT IN THE CIRCUMPOLAR NORTH. Spring.

NE 390 NORTHERN LEGAL ISSUES. Spring.

NE 395 NORTHERN RESOURCE CONFLICTS. Spring.

SEMINAR SERIES. Fall, Spring.

NE 500 INDEPENDENT STUDY

NE 700 SENIOR THESIS

PHILOSOPHY

Professors: Lynne Baker, Stanley Bates, Hiroshi Miyaji, Victor Nuovo (chair). Assistant Professor: Richard Arthur.

*PA 150 INTRODUCTION TO PHILOSOPHY. Fall, Spring.

*PA 180 INTRODUCTION TO MODERN LOGIC. Fall. New Description. The aim of this course is to provide a sound understanding of the principles of deductive reasoning through the study of modern symbolic logic. Students will learn how to symbolize natural arguments occurring in books, cartoons, newspapers and other media, and to evaluate their validity using techniques of propositional and predicate logic. Although mathematical in appearance, symbolic logic is more like an artificial language to learn, and even students with little confidence in math can master it. No prior knowledge of logic, formal mathematics or computer science is presupposed in this course. Mr. Arthur.

(*PA 190 ETHICS AND THE ENVIRONMENT)

(*PA 201 ANCIENT AND MEDIEVAL PHILOSOPHY)

(*PA 202 MODERN PHILOSOPHY FROM DESCARTES TO PEIRCE)

PA 205 HUMAN NATURE AND ETHICS. Fall. New Description. An investigation of some of the most important theories in Western intellectual history concerned with appropriate ways for men to lead "the good life." Proceeding in historical sequence, the course will cover Plato, Aristotle, Hobbes, Hume, Kant and Camus. An attempt will be made to relate the moral theories considered to the general intellectual assumptions of the ages in which they were produced and to the stated or unstated conceptions of human nature contained in the theories. Mr. Bates.

PA 207 CONTEMPORARY MORAL PROBLEMS. Deleted.

*PA 212 INTRODUCTION TO THE HISTORY OF MODERN SCIENCE. Fall. New Course. Of all the chapters in the history of our intellectual tradition, one of the most exciting is that of the Scientific Revolution--the emergence in the 17th and 18th centuries of recognizably modern scientific concepts from the welter of ideas of the competing Scholastic, Pythagorean, Alchemical, Magical and Mechanical traditions. In this course we shall trace the development of key concepts in physics, chemistry and biology through a study of the contributions of such thinkers as Bruno, Kepler, Galileo, Boyle, Descartes, Newton, Van Helmont, Leibniz, Maupertuis and Buffon. Mr. Arthur.

PA 213 PHILOSOPHY OF RELIGION. Spring. New Description. A critical exploration of several problems and themes related to religious belief: the coherence of the concept of God, the existence of God, the problem of evil, the moral justification of religious belief, religion and the culture of nihilism. Readings in philosophical works by Thomas Aquinas, Leibniz, Hume, Kant, Nishitani and others. Mr. Nuovo.

(PA 222 AMERICAN PHILOSOPHY)

PA 223 INTRODUCTION TO CONTEMPORARY PHILOSOPHY. Fall. New Description. This course will focus on philosophical treatments of mind, knowledge and language in the first half of the 20th century. Although primary attention will be given to the English-speaking tradition (represented by thinkers such as Bertrand Russell, J.L. Austin, Ludwig Wittgenstein, Gilbert Ryle), we shall also read representatives of the Continental tradition such as Husserl, Heidegger and Sartre. Ms. Baker.

(PA 230 PHILOSOPHY OF SCIENCE)

(PA 231 PHILOSOPHY OF HISTORY)

PA 233 AESTHETICS. Spring. New Description. Contemporary and historical readings will be used to examine problems in the philosophy of art. There will be exploration of what is a work of art and of meaning and truth in various of the arts. Attention will be given to questions of aesthetic judgment and of aesthetic value as well. Some prior acquaintance with philosophy or literature or the arts is recommended. Mr. Bates.

(PA 250 HISTORY OF EARLY MODERN PHILOSOPHY: DESCARTES TO KANT)

(PA 253 CONFUCIANISM AND THE CONFUCIAN TRADITION IN EAST ASIA)

PA 255 KIERKEGAARD, MARX AND NIETZSCHE. Spring. New Description. This course will investigate the works of three of the central philosophical and cultural critics of the 19th century. All of these thinkers revolted against the apotheosis of Reason that had occurred in the Enlightenment and that reached its culmination in the works of Hegel. We shall read: Kierkegaard's Repetition, Philosophical Fragments and Concluding Unscientific Postscript; Marx's early essays criticizing Hegel, The Economic and Philosophic Manuscripts of 1844, and other selections concentrating on Marx's philosophical views not his economic analysis; and Nietzsche's The Birth of Tragedy, The Use and Abuse of History, Thus Spoke Zarathustra (selections), The Genealogy of Morals and Ecce Homo. Mr. Bates.

(PA 256 TOPICS IN JAPANESE PHILOSOPHY)

PA 280 INTERMEDIATE LOGIC. Spring. New Description. This course is designed for students whose curiosity about logic has already been piqued by some prior acquaintance with it (such as PA 180). We shall investigate such extensions of predicate logic as the logic of relations, identity and definite descriptions, which considerably increase its scope and power, but also raise interesting philosophical problems. In the remainder of the course, we shall explore these and other problems in the history and philosophy of logic, and examine some of the newest trends in logical theory, such as many-valued and quantum logic. (PA 180 or equivalent.) Mr. Arthur.

(PA 309 PHILOSOPHY OF LAW)

(PA 331 HISTORY OF MATERIALISM)

PA 350 METAPHYSICS. Deleted.

PA 351 THEORY OF KNOWLEDGE. Deleted.

PA 352 PHILOSOPHY OF MIND. Spring. New Description. How is mental activity related to the nonmental world? How is the content of so-called propositional attitudes like belief to be specified? Is there freedom of the will? These are some of the questions to be asked in this course. Drawing on contemporary works, we shall examine various conceptions of mentality, including recent "computer" models of the mind. Approaches to be discussed include physicalism, functionalism and behaviorism. Ms. Baker.

(PA 354 PHILOSOPHY OF LANGUAGE)

SEMINARS

PA 402 THE PHILOSOPHY OF ARISTOTLE. Fall. New Description. An examina-

tion of Aristotle's principal doctrines as represented in his writings: logical, physical, metaphysical, moral and political. Attention will also be paid to some recent interpretations of Aristotle and to the validity of Aristotle's thought for contemporary philosophy. Mr. Nuovo.

PA 405 HOBBS AND LEIBNIZ. Spring. New Title and Description. Although Hobbes is known chiefly for his materialism and political theory, and Leibniz for his monadology and contributions to mathematics, these two major 17th century thinkers are much closer in outlook than is generally supposed. In this course we shall study Hobbes's remarkable synthesis of physics, psychology and politics; his influence on Leibniz; and the development of the latter's characteristic views. Main topics will be the theory of space and time, body and substance, determinism, freedom of the will, theory of perception, theory of knowledge, theology, and politics of the state. Mr. Arthur.

(PA 407 HEGEL'S PHENOMENOLOGY)

(PA 410 WITTGENSTEIN)

PA 412 CONTEMPORARY POLITICAL LIBERALISM: RAWLS AND DWORIN. Deleted.

PA 414 THE NATURE OF BELIEF. Deleted.

(PA 416 CONTEMPORARY AESTHETICS)

PA 500 RESEARCH IN PHILOSOPHY. Fall, Spring.

PHYSICAL EDUCATION AND ATHLETICS

Replace all copy with the following:

Physical education is a degree requirement and the Physical Education Program concentrates on lifetime sports so that all students leave Middlebury College with exposure to sports or recreational activities in which they have developed a degree of skill and interest which will be an asset to them in later years. Before graduation, students must complete three courses. Each course carries one unit of physical education credit.* (* An exception is beginning swimming for non-swimmers, if completed during the freshman year.) Students who wish to elect courses (i.e. the student does not need the course for physical education credit) may register with the department for the appropriate season to be scheduled for classes on a space available basis. The courses and activities are as follows:

Certification Courses. (Textbook and related fees applicable.) Advanced Life Saving, C.P.R., First Aid, Water Safety Instructor's Course.

Special Lessons and Fees. Alpine Skiing, Karate, Riding, Scuba, Ski Touring.

Personal Equipment Sports. Beginning Ice Skating, Cycling, Figure Skating.

Department Provides Equipment (except tennis rackets). Archery, Badminton, Fencing, Golf, Squash, Tennis, Volleyball.

Conditioning-Type Courses. Beginning Weight Training, General Conditioning, Hydra-Gym Conditioning, Swimming for Conditioning.

Dance Courses As Available. Basic Ballet, Basic Jazz Dance, Basic Modern Dance, TH 160, 161, 162, 260, 261, 276, 360, 361, 380, 381.

Special Departmental Courses Offerings As Available. Information on the courses offered will be available during the registration period for the season concerned.

Beginning Swimming for Non-Swimmers. NOTE: It is strongly recommended that students who cannot swim take this course in their freshman year. Students identified as non-swimmers may earn three credits if they take Beginning Swimming and are able to swim one length of the pool and tread water for five minutes. This must be completed by the end of the fresh-

man year if the student is to receive the three-credit incentive. The Physical Education Department will provide individual lessons, if necessary, and will allow the student to repeat the course throughout the freshman year.

Credit for Intercollegiate Competition. A student may receive credit for participation in an intercollegiate sport. Credit will be awarded on the following basis: 1. a Student must participate for the entire season; 2. only one credit may be earned for each sport.

The department schedules two seasons of instructional courses in each of the two College terms and one season in the winter term. All registrations for instructional classes in physical education are held in the Field House Lobby and registrations are held prior to the start of each of the five seasons during the College year. Registration is on a first come-first served basis and is open to students who wish to elect courses on a space available basis. Students who are unaware of their current physical education record should check their record with the physical education secretary in the Field House to ensure completion of their program prior to graduation and in accordance to the printed Catalog specifics indicated above. Applications for transfer credit must be made in advance, following College procedure for academic credit transfer. The Dean of Students' Office processes credits from transcripts for students transferring to Middlebury.

The Physical Education Program above, as revised by the department in 1986-87, will become effective in September 1987. Students with three credits as of May 1987 will have completed their Physical Education Program. Those students with fewer than three credits in May 1987 will complete their Physical Education Programs under the September 1987 program with prior credits allowed toward completion of the Physical Education Program. All requests for medical waivers must come from the student's home physician. Injuries and illnesses suffered on campus will be considered as exceptions to the previous statement and will be handled by the College Health Center.

The Physical Education Program has the following registration dates for the five instructional seasons during 1987-88:

<u>REGISTRATION DATES</u>	<u>SEASON NAME</u>	<u>SEASONS DATES</u>
September 8,9	Fall	Sept. 14-Oct. 23
October 6,7	Winter I	Oct. 26-Dec. 5
December 1,2	Winter Program Term	Jan. 4 - Jan. 29
February 9,10	Winter II	Feb. 15 - March 25
March 15, 16	Spring	April 4 - May 7

PHYSICS

Professors: Robert Gould, Frank Winkler (chair). Associate Professors: Robert Prigo, Richard Wolfson. Assistant Professor: Jeffrey Dunham. Visiting Assistant Professor: Stephen Ratcliff.

Major Program. Replace paragraph 2 with: Courses designed especially for non-science students are PH 155 (INTRODUCTION TO THE UNIVERSE) and PH 180 (NUCLEAR TECHNOLOGY: THE PROMISE AND THE PERIL) in the fall term, and PH 101 (THE NATURE OF THINGS: PHYSICAL REALITY AND HUMAN THOUGHT) and PH 131 (STRUCTURES AND MACHINES) in the spring.

Under Requirements for the Physics Major, add PH 311 (QUANTUM PHYSICS APPLICATIONS) to the courses recommended for students anticipating graduate study.

*PH 101 THE NATURE OF THINGS: PHYSICAL REALITY AND HUMAN THOUGHT. Spring. Mr. Wolfson, Mr. Winkler and Staff.

PH 105 PHYSICS OF SPORTS. Deleted.

PH 109 MECHANICS. Fall, Spring. Mr. Prigo and Staff (Fall), Mr. Dunham and Staff (Spring).

PH 110 ELECTRICITY AND MAGNETISM. Fall, Spring. Mr. Gould (Fall), Mr. Wolfson and Staff (Spring).

PH 131 STRUCTURES AND MACHINES. Spring. New Course. The world in which we live and work is dominated by technology. Studying the scientific, social and symbolic meaning of past and present technologies can help us to evaluate the potential limitations, and possible dangers, of new and future ones, and to become more effective as decision-making citizens. This course will address two sides of technology: large scale structures (bridges, towers, skyscrapers, long spanning roofs) and machines (steam engines, railroads, automobiles, power plants, communication systems, etc.) We will emphasize the basic scientific concepts behind various technologies, their history, and their impact on our society. This course is sponsored in part by the Sloan Foundation's program in the New Liberal Arts and is open to all students. A science background is not required. 3 hrs lect./disc. Mr. Prigo.

PH 145 ELECTRONICS FOR THE INTIMIDATED. Deleted.

*PH 155 AN INTRODUCTION TO THE UNIVERSE. Fall. 3 hrs. lect., 2 hr. evening lab. Mr. Ratcliff and Mr. Winkler.

PH 180 NUCLEAR TECHNOLOGY: THE PROMISE AND THE PERIL. Fall. New Course. In the 1950's, nuclear technology was hailed as the path to a brighter future for all of humanity. Today, we confront the legacy of Chernobyl, Three Mile Island, and an unending increase in the world's arsenal of nuclear weapons. What went wrong with the nuclear dream? Or do the benefits of nuclear technology continue to outweigh its perils. What role will nuclear technology play in our future? This course will explore these and related questions, primarily by focusing on case studies of particular nuclear technologies. Among topics covered will be the physics of the atomic nucleus, the technologies of nuclear power and nuclear weapons, medical and other uses of nuclear technology, nuclear waste disposal, and economic, social and political issues associated with nuclear technology. This course is sponsored by the Sloan Foundation's program on the New Liberal Arts, and is open to all students; a science background is not required. 3 hrs. lect./disc., augmented by films, field trips, visiting speakers. Mr. Wolfson.

PH 201 RELATIVITY AND QUANTUM PHYSICS. Fall.

PH 202 ATOMIC AND NUCLEAR PHYSICS. Spring. Mr. Prigo and Mr. Dunham.

PH 212 APPLIED MATHEMATICS FOR THE PHYSICAL SCIENCES. Spring. New Description. This course concentrates on the methods of applied mathematics used for treating the partial differential equations that commonly arise in physics, chemistry and engineering. Topics include differential vector calculus, Fourier series and other orthonormal function sets. Emphasis will be given to physical applications of the mathematics. Both analytic and numerical (computer) techniques will be employed. This course is a prerequisite for all 300- and 400-level physics courses. (MA 113 and PH 110.) 3 hrs. lect., 1 hr. disc. Mr. Ratcliff.

PH 221 ELECTRONICS FOR SCIENTISTS. Fall.

PH 266 CONTEMPORARY ASTRONOMY AND ASTROPHYSICS. Spring. New Prerequisites. (PH 110 or permission.)

PH 302 ELECTROMAGNETISM. Fall. New Title and Description. The unified description of electric and magnetic forces is one of the greatest triumphs of classical physics. This course will begin with discussion of electro- and magneto-static configurations, and will continue with the fully time-dependent formulation: Maxwell's equations. The wave description of electromagnetic radiation will be used as a basis for understanding fundamental phenomena in optics and communication. (PH 212.) 3 hrs. lect. Mr. Ratcliff.

PH 311 QUANTUM PHYSICS APPLICATIONS. Fall. New Course. This course applies quantum mechanical principles to fundamental problems in atomic, solid state, nuclear and elementary-particle physics. The central goal of the course is to demonstrate how quantum mechanics provides a unifying conceptual framework for the vast range of phenomena observed in the

modern topic areas mentioned above. Special attention will be given to technologies related to these phenomena, including the laser, superconductivity, accelerators and large-scale particle detectors. (PH 202 and PH 212.) 3 hrs. lect. Mr. Winkler.

PH 330 ANALYTICAL MECHANICS. Spring. New Description. An intermediate level course in the kinematics and dynamics of particles and rigid body motion. The topics will include: analysis and application of Newton's Laws of Mechanics; the concepts of work, energy and power; energy conservation; momentum and momentum conservation; torque, angular momentum and angular momentum conservation. Lagrange's and Hamilton's formulations of classical mechanics will be introduced with emphasis placed on developing lasting problem-solving strategy and techniques. (PH 109 or PH 212 or permission.) 3 hrs. lect./disc. Mr. Gould.

PH 401 QUANTUM MECHANICS. Spring. Mr. Dunham.

(PH 402 ADVANCED QUANTUM MECHANICS)

(PH 405 NUCLEAR AND PARTICLE PHYSICS)

PH 500 INDEPENDENT STUDY AND SPECIAL TOPICS. Fall, Spring.

PH 705 SENIOR RESEARCH AND THESIS. Fall, Winter, Spring.

POLITICAL SCIENCE

Professors: Murray Dry, Russell Leng, Paul Nelson, Olin Robison, David Rosenberg (on leave all year). Associate Professor: Eric Davis (chair). Assistant Professors: Michael Kraus, Gary Meyers. Visiting Instructor: Theodore Rueter.

*PS 101 INTRODUCTION TO POLITICAL SCIENCE. Fall. Mr. Dry.

PS 102 THE AMERICAN POLITICAL REGIME. Spring. New Prerequisites. (Freshmen and sophomores or permission.)

PS 103 INTRODUCTION TO COMPARATIVE POLITICS. Fall, Spring. New Prerequisites. (Freshmen and sophomores or permission.)

PS 104 INTRODUCTION TO AMERICAN POLITICAL PROCESSES. Fall.

*PS 107 POLITICS AND THE STUDIES OF POLITICS. Spring. New Description. This course will consider classic texts of Western political thought, in which the nature of politics, justice, freedom, authority and the common good are discussed. The aims of the course are to see what each of the texts says about politics and its ingredients, and to determine the mode or modes of thought in which the author is working. For example, we will pay close attention both to the substance of Aristotle's political science and to the manner in which he conducts his inquiry. Other works include Shakespeare, Julius Caesar, Macaulay, History of England, Alexis Tocqueville, Democracy in America, Adam Smith, The Wealth of Nations, Karl Marx and Friedrich Engels, The German Ideology and Max Weber, "Science as a Vocation." (Freshmen and sophomores or permission.) Mr. Nelson.

POLITICAL THEORY

*PS 101 (See above.)

*PS 107 (See above.)

PS 317 CLASSICAL POLITICAL PHILOSOPHY. Fall.

PS 318 POLITICAL PHILOSOPHY: MODERNITY. Spring. Mr. Nelson.

PS 401 SEMINAR ON POLITICAL PHILOSOPHY. Spring. Mr. Dry.

PS 409 SEMINAR ON POLITICAL PHILOSOPHY. Fall.

AMERICAN POLITICAL INSTITUTIONS

PS 102 (See above.)

PS 104 (See above.)

PS 208 THE POLITICS OF THE U.S. CONGRESS. Spring.

(PS 305 AMERICAN CONSTITUTIONAL LAW: THE FEDERAL SYSTEM)

PS 306 AMERICAN CONSTITUTIONAL LAW: INDIVIDUAL RIGHTS. Fall. New Description. This course is primarily a study of the Supreme Court's interpretation of the Constitution's Bill of Rights and the Fourteenth Amendment's Due Process clause. The main subjects are the First Amendment freedoms of speech, press, assembly, and religion, the rights of the accused, as protected by Amendments Four through Eight, and other noncriminal rights of due process. Consideration will also be given to philosophic explanations of the nature of individual rights and their relationship to the obligations of citizenship and the powers of American government. A Mock Court exercise is anticipated. (Juniors and seniors with PS 102 or PS 305 or permission.) Mr. Dry.

(PS 312 THE POLITICS OF THE FEDERAL BUREAUCRACY)

PS 314 THE POLITICS OF AMERICAN URBAN AREAS. Spring. New Description. The City and American Federalism. American cities are losing much of their political independence and autonomy, and are becoming much more dependent on the state and federal governments. In this course, we will study intergovernmental relations in the United States in an attempt to understand the workings of American federalism. We will also study the variety of forms and structures of politics in American cities. (PS 102 or PS 104 recommended but not required.) Mr. Davis.

PS 402 SEMINAR IN CONSTITUTIONAL LAW. Spring. Mr. Dry.

(PS 410 SEMINAR ON POLITICAL PARTIES AND INTEREST GROUPS IN AMERICA)

PS 425 SEMINAR ON THE AMERICAN PRESIDENCY. Fall. New Description. An in-depth study of the American Presidency. Issues covered include the formation of the Presidency, Presidential power, staffing the Presidency, legislative-executive relations, and the Presidency and foreign policy. Students will be expected to make written and oral presentations in class, and to write a research paper. (Permission.) Mr. Davis.

COMPARATIVE POLITICS
PS 103 (See above.)

(PS 210 THE POLITICS OF MODERNIZATION IN THE THIRD WORLD)

(PS 220 ASIAN POLITICS)

PS 225 COMPARATIVE POLITICS: WESTERN EUROPE. Fall.

PS 227 SOVIET POLITICS. Fall. Mr. Kraus.

PS 328 COMPARATIVE COMMUNISM. Spring. Mr. Kraus.

PS 406 SEMINAR IN COMPARATIVE POLITICS: WEST EUROPE. Spring. New Description. Recent economic and social changes have challenged the stability--and possibly the survival--of representative democracies in Western Europe. The seminar takes an in-depth look at the impact of this "post-industrial" environment on the politics and public policies of these nation-states. Topics will include the transformation of their traditional political cultures, changes in their party systems, the advent of new social movements, the crisis of the welfare state, and the perspective of their "successor generations" on the Atlantic Alliance and the European Economic Community. (Permission.) Mr. Meyers.

PS 414 SEMINAR IN COMPARATIVE POLITICS: SOVIET UNION AND EAST EUROPE. Fall. Mr. Kraus.

(PS 430 SEMINAR IN U.S.--ASIAN RELATIONS)

INTERNATIONAL RELATIONS AND FOREIGN POLICY

PS 201 INTERNATIONAL POLITICS. Fall, Spring. Mr. Leng (Fall), Mr. Rueter (Spring).

PS 301 NUCLEAR WEAPONS AND WORLD POLITICS. Spring. New Course. An examination of the history of U.S. strategic policy, the nature of deterrence theory, and contemporary issues in strategic policy, including arms control, Soviet strategic doctrine, nuclear proliferation, the Strategic Defense Initiative, and the strategic balance. We will conclude by considering such proposals as no first use, NATO withdrawal, disarmament and nuclear crisis control centers. Mr. Rueter.

PS 302 INTERNATIONAL CONFLICT RESOLUTION. Spring. New Description. A study of historical and contemporary efforts to moderate and resolve interstate conflicts, including international law, intergovernmental organizations, mediation and disarmament. (PS 201 or PS 311 or permission.) Mr. Leng.

PS 304 INTERNATIONAL POLITICAL ECONOMY)

PS 311 AMERICAN FOREIGN POLICY. Fall. New Course. A critical examination of the formulation, implementation and impact of American foreign policy since World War II. We will consider such issues as the origins of the Cold War and the policy of containment; alliance politics and the reconstruction of Europe; the opening to the People's Republic of China; and American policy toward Central America, Africa, Asia and the Middle East. Mr. Rueter.

(PS 404 SEMINAR ON THE GLOBAL POLITICAL ECONOMY)

(PS 405 SEMINAR ON THE CAUSES OF WAR)

PS 408 SEMINAR ON UNITED STATES--SOVIET RELATIONS. Spring. Mr. Kraus.

PS 412 SEMINAR ON DIPLOMACY. Spring. New Prerequisites. (Permission.)

PS 416 SEMINAR IN INTERNATIONAL RELATIONS: INTERNATIONAL RELATIONS THEORIES. Fall. New Course. The central question for theorists of international relations is whether the international system is based entirely on conflict or whether international cooperation is possible. This seminar will first consider various theories of international conflict, including realism, geopolitics, mercantilism, systemic approaches, theories of war and nuclear deterrence, Marxist theories, and psychological approaches to international relations. We will then examine theories of international cooperation, including idealism, liberalism, interdependence theory, hegemonic stability theory, theories of bargaining and negotiation, and game theory. (Permission.) Mr. Rueter.

INDEPENDENT PROJECTS

PS 500 ADVANCED PROJECTS

PS 700 HONORS

PSYCHOLOGY

Professors: A. Hunt Ewell, David Prouty (chair). Associate Professors: Bob Osborne, Marc Riess. Assistant Professor: Jeannine Heny (Linguistics).

Major Program. Under Joint Major in Biology and Psychology, change the biology requirements to: BI 125, 190, 216, 250 and two electives in biology including one 300-or 400-level course.

PY 105 INTRODUCTION TO PSYCHOLOGY. Fall, Spring.

PY 201 LOGIC OF STATISTICAL ANALYSIS. Spring.

PY 203 SOCIAL PSYCHOLOGY. Fall. New Prerequisite. (PY 105.)

PY 204 PERSONALITY PSYCHOLOGY. Spring. New Prerequisite. (PY 105.)

PY 207 CONDITIONING AND LEARNING. Spring.

PY 208 MEMORY AND THINKING. Spring. New Prerequisite. (PY 105.)

PY 225 CHILD PSYCHOLOGY. Fall. New Prerequisite. (PY 105.)

PY 226 ADULT DEVELOPMENT AND AGING. Spring. New Prerequisite. (PY 105.)

PY 301 PHYSIOLOGICAL PSYCHOLOGY. Fall. New Course. This course concerns the biological basis of human behavior. The course will consider the neurochemical, neuroanatomical and neurophysiological basis of processes such as language, sensation, emotion, aggression, sleep and learning and memory. In the laboratory the student will conduct experiments using standard (surgical, anatomical, biochemical, behavioral) techniques to investigate central nervous system function. (PY 105, biology background or permission.) 3 hrs. lect., lab. Mr. Osborne.

(PY 302 RESEARCH METHODS IN PSYCHOLOGY)

(PY 306 THE EXCEPTIONAL CHILD)

PY 325 ABNORMAL PSYCHOLOGY. Fall. New Description. This course focuses on the detection, classification, etiology and treatment of mental illness. (PY 105.) 3 hrs. lect. Staff.

PY 350 DIRECTED RESEARCH IN PSYCHOLOGY. Fall, Spring.

PY 411 CONTEMPORARY ISSUES. Fall.

(PY 415 SELF-PRESENTATION)

PY 416 LIMBIC SYSTEM. Spring. New Description. The limbic system consists of a number of phylogenetically old, highly interconnected, forebrain structures thought to be involved in complex behavioral systems (motivational, emotional, learning and memory). This seminar course will utilize recent journal literature on limbic system functions both to understand this complex system and to develop skills necessary for evaluating theories, carrying out critical reviews and/or developing specific research proposals. (PY 301 or permission.) Mr. Osborne.

(PY 417 PHYSIOLOGICAL BASIS OF LEARNING AND MEMORY)

(PY 421 NONVERBAL BEHAVIOR AND COMMUNICATION)

(PY 426 PSYCHOANALYSIS)

PY 500 ADVANCED RESEARCH. Fall, Spring.

PY 703 HONORS CANDIDACY. Spring.

RELIGION

Professors: Robert Ferm (chair), Steven Rockefeller, Charles Scott.
Associate Professor: Donald Lopez. Assistant Professor: O. Larry Yarbrough. Visiting Assistant Professor: John Keenan. Instructor: Robert Schine. Visiting Instructor: Katherine Sonderegger.

Major Program. Replace all copy up to Philosophy-Religion Joint Major with: A major in religion must satisfactorily complete eleven courses. The requirements are:

I. The following introductory courses must be completed by the end of the junior year: RE 105, RE 110, RE 115 and RE 220. (Students who take both RE 280 and RE 281 are exempted from RE 105.)

II. Five courses, including at least three seminars, in a field of interest represented within the department, to be determined in consultation with the student's adviser by the end of the fall term of the junior year and completed by the fall term of the senior year.

III. An independent study project (RE 500) during the fall term of the senior year.

IV. The senior seminar (RE 340) in the spring term of the senior year.

INTRODUCTORY COURSES

*RE 105 AN INTRODUCTION TO THE ENGLISH BIBLE. Fall.

*RE 110 FOUNDATIONS OF WESTERN RELIGIOUS LIFE AND THOUGHT. Spring. New Description. An exploration and comparative study of the religious life and thought of the classical Greeks, hellenistic civilization, the ancient Hebrews and the early Christians. Readings are in the works of Aeschylus, Plato, the Stoics, Epicureans, the Hebrew Scriptures, the New Testament and St. Augustine. Mr. Rockefeller.

*RE 115 INTRODUCTION TO EASTERN RELIGIOUS THOUGHT. Fall. Mr. Lopez.

COURSES ON RELIGIOUS TRADITIONS

RE 201 THE JEWISH TRADITION. Fall. New Description. An introduction to the history and religion of the Jews from biblical times to the Renaissance. Topics will include: the world of biblical religion; Judaism in the Hellenistic Age; the Talmudic period; liturgy; the emergence of Jewish philosophy in the orbit of Islam; the development of Jewish law and mystical thought; Jewish-Christian relations in the Middle Ages. This is not a Foundations Course. Mr. Schine.

RE 204 THE CHRISTIAN TRADITION. Fall.

(RE 209 THE HINDU TRADITION)

RE 210 THE BUDDHIST TRADITION: INDIA AND TIBET. Fall. Mr. Lopez.

RE 211 THE BUDDHIST TRADITION: CHINA AND JAPAN. Spring. New Description. This course traces the transformation of Buddhist thought in China and Japan. Beginning with an overview of the development of Indian Buddhism, the course will go on to study the philosophical and religious climate in China upon the entry of Buddhism during the Han Dynasty. From there, the emergence of the great schools of East Asian Buddhism will be traced with special attention being paid to the T'ien T'ai, Hua Yen and Ch'an schools in China and the Shingon, Pure Land, and Zen schools in Japan. Students with no background in Asian religion may elect this course. Mr. Lopez.

(RE 212 CHINESE RELIGIONS)

(RE 215 SHINTO: JAPANESE INDIGENOUS RELIGIOUS BELIEFS)

(RE 217 GRECO-ROMAN RELIGIONS)

*RE 220 THE SHAPING OF AMERICAN RELIGIOUS LIFE. Spring.

COURSES ON TEXTS AND TOPICS

RE 280 STUDIES IN HEBREW BIBLE/OLD TESTAMENT. Fall. New Description. An introduction to the Hebrew Scriptures as they reflect the history, religion, institutions and ideas of ancient Israelite culture. Topics will include: the Genesis narratives and Exodus; law codes; the sources of the Pentateuch and historical books; the nature of ancient Israelite prayer and ritual; the prophetic critique of religion and society; messianic expectation; wisdom literature. The final sessions of the course will be devoted to questions pertaining to the history of Bible scholarship, and the status of the Hebrew Bible in Jewish and Christian tradition. Mr. Schine.

RE 281 STUDIES IN THE NEW TESTAMENT. Spring.

RE 290 FEMINISM AND RELIGION: GENDER ANALYSIS IN THE HISTORY, THEOLOGY AND SACRED WRITINGS OF THE WEST. Spring. New Course. Like Marxism, Feminism denotes both a movement for broad social change and a method for the analysis and critique of culture. These two aspects, radical social action and gender analysis, provide the frame for our study of Feminism in Western religion. Activists like Ruether, Daly Plaskow and Goldenberg critique Jewish and Christian theology, pressing and, for some, breaking through its boundaries to a post-biblical or feminist spirituality. Historians like Bynum and McLaughlin reexamine the past for women's voice and role; Tribble and Fiorenza discern and reconstruct it within biblical sources. Ms. Sonderegger.

RE 291 RELIGION AND LITERATURE. Deleted.

RE 292 PSYCHOLOGY OF RELIGION. Fall. New Title and Description. Western religions are often defined as sets of beliefs, propositions considered true by their adherents. But what of the holder of those beliefs, the inner experience of the faithful person? The psychology of religion asks and explores those questions. This field of study draws upon the European heritage of philosophy and depth analysis of human personality. We will study both American and European contributions, from theologians and psychologists, some hostile and some friendly to religious belief. Authors include William James, Gordon Allport, Rudolf Otto, Freud, Jung, Erikson and Kierkegaard. Ms. Sonderegger.

RE 295 VOICES OF DISSENT, RESISTANCE AND LIBERATION. Fall. New Description. A study of some of the major theologians, Roman Catholic and Protestant, who are both critics of the church from within it as well as critics of society, its ideologies, assumptions and institutions. Among those to be considered are Reinhold Niebuhr, Martin Luther King, Jr., and Rosemary Ruether in the U.S.A.; Hans Kung, Juergen Moltmann and Edward Schillebeeckx in Europe; Rubem Alves, Juan Segundo and Leonardo Boff in South America; Allen Boesak, John de Gruchy and Desmond Tutu in South Africa. Mr. Scott.

SEMINARS IN RELIGION

RE 301 MODERN VIEWS OF GOD AND RELIGIOUS LIFE: THE NINETEENTH CENTURY. Fall. New Description. The 19th century presented modern thought with a precious and complex legacy of religious ideas. In this course, we will examine some of the major achievements of this European high culture. These thinkers deserve study for their original and often courageous efforts to bring religion face to face with historical and scientific research. Our modern period owes much to these intellectuals, who represent for us still the conflict, the creativity and the compromise of religion in its encounter with a secular world. Authors include: Kant, Hegel, Feuerbach, Kierkegaard, Schleiermacher, Newman. Ms. Sonderegger.

RE 302 MODERN VIEWS OF GOD AND RELIGIOUS LIFE: THE TWENTIETH CENTURY. Spring. New Description. The outbreak of war in Europe marked the end of religious confidence in the "high moral character of the individual soul." The great themes of the 19th century--the role of faith and history, the recovery of scholasticism in theology, the moral mission of ethical monotheism--all are renewed in our period but with a somber and realistic cast. While clearly a period of creative ferment, ours is a time of major theological restatements within Judaism and Christianity. We will examine these reappraisals in such figures as Barth, Tillich; Maritain, Rahner; Rosenzweig, Buber. Ms. Sonderegger.

(RE 303 THEORIES OF RELIGION)

RE 304 SEMINAR IN JEWISH THOUGHT. Spring. New Description. Topic for 1988: Maimonides (1135-1204) and Spinoza (1632-77). A study in Jewish philosophy at the height of the Middle Ages and the dawn of the Modern Period. Texts will be Maimonides' Guide of the Perplexed, Spinoza's Theological Political Treatise, and sections of the Ethics. The seminar will also consider the controversies surrounding the interpretation of Maimonides and Spinoza. (RE 201 or permission.) Mr. Schine.

RE 306 FROM PURITANISM TO THE GOSPEL OF WEALTH. Spring. New Title and Description. This seminar will deal with the transformation of Puritan ideas in the course of American history. The first part of the seminar will deal with figures in the 17th and 18th centuries, notably John Cotton and Jonathan Edwards. We will then study how some of their ideas were changed by new interests, e.g. with Benjamin Franklin in the revolutionary period and in revivalism of the 19th century, e.g. the work of Charles Finney. The final segment will deal with the Gospel of Wealth represented by Andrew Carnegie and Russell Conwell. Mr. Ferm.

RE 307 THREE AMERICANS: JAMES, DEWEY AND NIEBUHR. Spring. New Course. William James (1842-1910), John Dewey (1859-1952) and Reinhold Niebuhr (1892-1971) each made important original contributions to American liberal, intellectual tradition. This course will explore the origins and nature of their social, moral and religious thought. It will compare

their views and consider the ongoing significance of their contributions. Mr. Rockefeller.

RE 308 SEMINAR IN AMERICAN RELIGIOUS HISTORY. Fall. New Description. The focus of the seminar for 1987-1988 will be the contemporary religious scene including the sources for the apparent revival of the Religious-Political Right, recent interpretations by the Supreme Court of the First Amendment and prominent issues in social ethics, specifically the controversy over abortion. Mr. Ferm.

RE 309 SEMINAR IN BIBLICAL STUDIES. Spring. New Description. The focus of the seminar this year will be the prophetic movement in ancient Israel--its origin, development and function in Israelite society. Special attention will be given to the pre-exilic prophet Jeremiah, the exilic prophet II Isaiah, and the post-exilic prophet Malachi. By examining these representatives of the three eras of Israelite prophecy, the seminar will seek to discover the roles the prophets played in the shaping of the nation's political and religious life, at crucial turning points in its history. (Permission.) Mr. Yarbrough.

RE 310 SEMINAR IN CHRISTIAN THEOLOGY. Fall. New Description. Topic for 1987: Dietrich Bonhoeffer: His Life, Thought and Enduring Influence. Bonhoeffer, a brilliant young German theologian of the 1930's and early 1940's, participated in the Resistance against Hitler and the Nazis, was arrested by the Gestapo in 1943, was imprisoned and finally executed in April 1945. His works, especially those written from prison during World War II, have received mounting attention because they challenge so many of the secular and religious assumptions of modern society. Readings will include major works by Bonhoeffer, commentaries and criticisms of his thought, and his biography by Eberhard Bethge. Mr. Scott.

RE 311 BUDDHIST PHILOSOPHY. Spring. New Description. The topic of the seminar will be the Heart Sutra, a text famous throughout Asia for its potent proclamation of the doctrine of emptiness. Through a study of Indian, Tibetan, Chinese and Japanese commentaries on the text, the seminar will seek not only to illuminate the meaning of the Heart Sutra but also to determine the functions of commentary in Buddhist philosophy. (Permission.) Mr. Lopez.

RE 312 BUDDHIST AND CHRISTIAN ENLIGHTENMENT. Fall. New Description. a survey of Buddhist Enlightenment and wisdom themes and their possible use in Christian theology. Focus on Madhyamika philosophy of Nagarjadna, early Christian patristics (Gregory of Nyssa), and modern deconstruction theologians. (Permission.) Mr. Keenan.

RE 314 SEMINAR IN CHRISTIAN ORIGINS. Fall. New Description. This year the topic of the seminar will be a tale of three cities: the emergence of Christianity in three important urban centers of the Greco-Roman world: Corinth, Antioch and Rome. It will examine how the differing political, religious and cultural forces of these three cities affected the formation of the Christian communities in them. Readings for the seminar, both primary and secondary, will be wide-ranging. They will deal with the description of the cities, aspects of daily life, varieties of religious experience and the ways these influenced early Christian belief and practice. (Permission.) Mr. Yarbrough.

RE 340 SEMINAR IN THE HISTORY OF RELIGION. Spring. New Description. The topic for the seminar is death in Eastern and Western thought. The course will explore the phenomenon of death and its meaning in the religious and philosophical traditions of Asia and the West. The course will follow a chronological sequence, beginning with antiquity where the Epic of Gilgamesh, Plato and Seneca will be read. From there, the confrontation with death in the great religions will be analyzed ending with contemporary articulations of the problem of death in the works of Feuerbach, Tolstoy, Freud, and Sartre. (Permission.) Mr. Lopez.

RE 500 INDEPENDENT RESEARCH

RE 700 SENIOR RESEARCH FOR HONORS CANDIDATES

With permission, the following cognate courses may be credited toward the requirements for the religion major:

CL 105 INTRODUCTION TO HEBREW
 CL 206 INTERMEDIATE HEBREW
 HI 328 THE REFORMATION
 PA 213 PHILOSOPHY OF RELIGION
 PA 253 CONFUCIANISM AND THE CONFUCIAN TRADITION IN EAST ASIA
 SA 308 SOCIOLOGY OF RELIGION
 SA 380 ANTHROPOLOGY OF RELIGION

RUSSIAN

Professor: Robert Baker (chair). Associate Professor: Thomas Beyer.
 Assistant Professor: Kevin Moss. Visiting Assistant Professor: Karen Black. Lecturers: Alexandra Baker, Judith Olinick.

Major Program. In paragraph 5, replace the final sentence with: Each student's program will be planned individually in consultation with the department chair.

Add at the beginning of paragraph 7: All seniors will be expected to take proficiency tests in speaking, listening and reading, listening comprehension and reading comprehension toward the end of their final year of study.

RU 101 BEGINNING RUSSIAN. Fall.

RU 102 BEGINNING RUSSIAN. Spring.

RU 104 RUSSIAN FOR READING. Spring. This course is offered only upon request made no later than October 15 of the fall semester.

*RU 151 RUSSIAN LITERATURE'S GOLDEN AGE (1830-1880) (IN ENGLISH). Fall. Mr. Beyer.

*RU 152 REVOLUTIONARY LITERATURE IN A REVOLUTIONARY SOCIETY: RUSSIAN MODERNISM (1880-PRESENT) (IN ENGLISH). Spring. Mr. Beyer.

RU 201 INTERMEDIATE RUSSIAN. Fall. Ms. Black.

RU 202 INTERMEDIATE RUSSIAN. Spring. Ms. Black.

RU 301 RUSSIAN CONVERSATION AND COMPOSITION. Fall. Ms. Black.

RU 302 RUSSIAN CONVERSATION AND COMPOSITION. Ms. Black.

RU 311 MASTERPIECES OF RUSSIAN LITERATURE. Spring.

RU 321 SOVIET MAN AND HIS WORLD. Fall. Mr. Moss.

(RU 351 DOSTOEVSKY (IN ENGLISH))

RU 352 TOLSTOY (IN ENGLISH). Fall. New Description. A study of the major works of the literary giant of Russia and the world. The major emphasis will be on discussions of Tolstoy's novels with background lectures on material not available to non-Russian scholars. No knowledge of Russian is required. Staff.

RU 353 RUSSIAN THEATRE (IN ENGLISH). Spring. New Description. An overview of Russian theatre, from its beginnings in the folk and puppet theatre of the Ukraine to modern Soviet drama. Offerings will include the plays of classic 19th century writers such as Gogol, Pushkin, Ostrovsky and Tolstoy; Chekhov and some of his lesser-known contemporaries; experimental works of the Revolutionary era; contemporary Soviet works. No knowledge of Russian is required. Staff.

(RU 354 CHEKHOV (IN ENGLISH))

(RU 356 RUSSIAN LITERATURE OF THE 60'S and 70'S)

RU 401 ADVANCED LANGUAGE STUDY. Fall.

RU 402 ADVANCED LANGUAGE STUDY. Spring.

RU 500 ADVANCED STUDIES IN LANGUAGE AND LITERATURE. Fall, Spring.

RU 700 SENIOR INDEPENDENT STUDY PROJECT. Fall, Spring.

RU 704 SENIOR SEMINAR. Fall, Spring. Mr. Beyer.

RUSSIAN AND SOVIET AREA STUDIES PROGRAM

Participating faculty: Robert Baker (Russian), Thomas Beyer (Russian), Karen Black (Russian), Michael Kraus (Political Science), Ronald Liebowitz (Geography), Kevin Moss (Russian), Judith Olinick (Russian), Olin Robison (Political Science).

Replace all copy with:

A major in the Russian and Soviet Area Studies program seeks to combine proficiency in the Russian language with a solid interdisciplinary background in each of the social science disciplines that specialize in this important region, history, political science, and geography. Students who major in this field will be expected to do senior work in one of these fields utilizing their language skills.

Language requirements. The Russian and Soviet area studies major will be expected to acquire basic language proficiency in Russian. Course work in Russian may be taken at Middlebury during both the regular academic year and in Middlebury's summer intensive program. Formal admission to the program is dependent on satisfactory grades in either RU 201 and RU 202 or a special qualifying examination. Beginning students of Russian will be expected to take a continuation course during the winter term of their first year. Prospective majors are also encouraged to take an intensive Russian course during the winter term following RU 201. It is expected that majors in this program will also attend Middlebury's School in the Soviet Union (located at the Pushkin Institute in Moscow).

Departmental Honors. Students who have a B average or better in their courses in the program may elect to seek Honors by writing a senior thesis (RS 700). The thesis will normally begin as a seminar paper written in the fall semester of the senior year. Students who spend the fall of their senior year in Moscow can fulfill this requirement by taking a seminar or an independent project (RS 500) in the spring of their junior year. Students may also choose to write a two-semester senior thesis. Normally, thesis proposals should be submitted for approval to the program during the winter term of the senior year. If approved, the student will register for RS 700 during the spring term. Honors are conferred or denied on the basis of the thesis grade, following an oral examination.

Course Requirements. The Program offers two paths to the major. However, most students will be expected and encouraged to choose option A. Under this option, students will take 3 years of Russian language, will study for one semester in the Soviet Union, and will complete at least 6 courses in the social sciences (7 if they are candidates for Honors). Only those who are unable to study in Moscow will take option B.

OPTION A

Language: RU 101, RU 102, RU 201, RU 202, RU 301, RU 302; 1 semester at the Pushkin Institute; and at least 6 additional courses including:

(a) GG 222, HI 247, PS 227 (under normal circumstances, these courses should be taken before going to the Soviet Union);

(b) plus 3 additional courses including a seminar (4 if a candidate for Honors) chosen from GG 422, HI 248, HI 404, PS 328, PS 408, PS 414, RU 704, RS 500 or RS 700.

OPTION B:

Language: RU 101, RU 102, RU 201, RU 202, RU 301, RU 302 and at least 8 additional courses including:

(a) GG 222, HI 247, PS 227

(b) plus 3 courses including a seminar (4 if a candidate for Honors) chosen from GG 422, HI 248, HI 404, PS 328, PS 408, PS 414, RU 704, RS 500 or RS 700

(c) RU 151 or RU 311 (in Russian), RU 321 (in Russian).

Courses in section (b) of both options A and B may vary from year to year depending on staffing. They may also be supplemented by winter term

courses offered both by faculty participating in the program and other faculty members, where appropriate. On occasion, a winter term course may also be offered in the Soviet Union.

This program fulfills the concentration requirement. Students are encouraged, however, to take as broad a range of courses as possible when fulfilling their degree requirements.

Course listing:

EC 330 COMPARATIVE ECONOMIC SYSTEMS
GG 222 CONTEMPORARY GEOGRAPHY OF THE SOVIET UNION
GG 422 TOPICS IN SOVIET GEOGRAPHY
HI 247 RUSSIAN HISTORY TO THE GREAT REFORMS
HI 248 RUSSIAN HISTORY FROM THE GREAT REFORMS TO THE PRESENT
HI 404 THE SOVIET UNION
PS 227 SOVIET POLITICS
PS 328 COMPARATIVE COMMUNISM
PS 408 SEMINAR ON UNITED STATES-SOVIET RELATIONS
PS 414 SOVIET AND EAST EUROPEAN POLITICS
RU 101 BEGINNING RUSSIAN
RU 102 BEGINNING RUSSIAN
RU 201 INTERMEDIATE RUSSIAN
RU 202 INTERMEDIATE RUSSIAN
RU 301 RUSSIAN CONVERSATION AND COMPOSITION
RU 302 RUSSIAN CONVERSATION AND COMPOSITION
RU 151 RUSSIAN LITERATURE'S GOLDEN AGE (1830-1880) (IN ENGLISH)
RU 311 MASTERPIECES OF RUSSIAN LITERATURE
RU 321 SOVIET MAN AND HIS WORLD
RU 704 SENIOR SEMINAR

For a complete description of these courses see the course descriptions listed under the appropriate departments.

RS 500 INDEPENDENT PROJECT

RS 700 SENIOR THESIS

SOCIOLOGY/ANTHROPOLOGY

Professors: David Andrews, Rudolf Haerle (chair). Associate Professor: Margaret Nelson. Assistant Professors: Ellen Basu (on leave fall and winter terms), David Napier (on leave all year), E. Burke Rochford.

INTRODUCTORY COURSES

SA 103 SELECTED TOPICS IN SOCIO-CULTURAL ANTHROPOLOGY. Spring.

*SA 105 SOCIAL MAN AND SOCIAL ORDER: ISSUES IN FREEDOM AND CONSTRAINT. Fall.

(SA 170 ANTHROPOLOGY THROUGH THE ARTS)

SA 180 THE ANTHROPOLOGY OF RELIGION. Fall. New Description. The anthropology of religion is a study of the cultural implications of certain modes of religious thought. The function of specialists, such as shamans and priests, will be analyzed as will several aspects of social organization that have a religious foundation. Emphasis will be placed on traditional non-Western and tribal societies. Staff.

SA 190 THE EVOLUTION OF HUMANS AND PREHISTORIC CULTURES. Fall. New Description. The aim of this course is to develop the critical analytic abilities of students. This is done by looking at explanations for how humans came to be the way we are as biological and sociocultural beings. We do this from an evolutionary perspective, paying particular attention to explanations of how our ancestors passed the following seven major milestones in our evolutionary past--1) the appearance of primates, 2) the move from the forest to the savanna, 3) the adoption of bipedalism, 4) the elaboration of human culture on the basis of the hunting-and-gathering, food-sharing, and tool-making complex, 5) the gradual development of locally adapted subsistence strategies and cultural diversity, 6) the emergence of agriculture, and 7) the founding of cities and states. 2 hrs. lect., 1 hr. disc., 1 hr. film. Mr. Andrews.

*SA 191 INTRODUCTION TO WOMEN IN SOCIAL THOUGHT. Fall. New Description. An understanding of the manner in which the distinctions between the

sexes serve as a basic organizing principal within human societies is essential to all social scientific investigations. This course will offer students an introduction to how social thinkers have dealt with this issue. First, we will examine explanations for and assumptions about sexual differentiation in the writings of major Western thinkers. Second, the contributions of contemporary social scientists to our understanding of women's secondary status will be studied. Third, a brief history of women in America will be covered. Fourth, we will evaluate several varieties of feminist thought. Ms. Nelson.

THEORY AND METHOD

SA 205 TOPICS IN SOCIAL THOUGHT--STABILITY AND CHANGE. Fall. Ms. Nelson.

SA 301 THE RESEARCH PROCESS--SOCIOLOGY. Spring.

SA 302 THE RESEARCH PROCESS--ANTHROPOLOGY. Fall.

SOCIAL ORGANIZATION AND COMPARATIVE INSTITUTIONS

(SA 304 WOMEN, CULTURE AND SOCIETY)

SA 307 SOCIAL MOVEMENTS AND COLLECTIVE ACTION. Fall.

(SA 308 SOCIOLOGY OF RELIGION)

SA 315 SOCIOLOGY OF EDUCATION. Spring. New Description. An examination of education as both a social institution and social process. Topics include the relationship of education to socialization, the social psychology of learning, the relation of educational institutions to other social structures, the influence of culture on moral education, the bearing which factors such as family background, sex and ethnicity have on the quality and content of the schooling process, the relation of various methods and types of education to the surrounding environment and the actual and potential role of education as an agent for social change. The substantive focus will be on American society. (SA 105 or permission.) (This course will receive Teacher Education credit.) Ms. Nelson.

(SA 316 THE SOCIOLOGY OF YOUTH)

SA 345 WORK, LEISURE AND SPORT. Spring. New Description. Major focus on work as a social and organizational phenomenon from two complementary points of view: 1) the sociology of occupations and professions, stressing careers, the process of professionalization, and autonomy vs. bureaucratic structure, and 2) industrial sociology, with emphasis on alienation and the conflict of formal and informal structures. Implications of change in the meaning and organization of work for problems of leisure and sport. (SA 105 or permission.) Mr. Haerle.

(SA 370 SOCIOLOGY OF INEQUALITY)

SA 385 MEDICAL SOCIOLOGY. Spring. New Description. An introduction to the social organization of modern medical institutions such as hospitals, clinics and rehabilitation agencies. Problems of communication and role relationships among professionals and between patients and medical personnel. The impact of structures and role relationships on the quality and quantity of medical care and on the use of resources will be examined. Analysis of the sick role and the impact of illness. An exploration of man's social activities--economic, residential, familial--in relation to his health. Ms. Nelson.

(SA 387 SOCIOLOGY OF LAW)

(SA 390 THE SOCIOLOGY OF WOMEN)

AREA STUDIES

SA 321 NATIVE PEOPLES OF NORTH AMERICA. Spring. New Description. This course focuses on the aboriginal people of the area extending from northernmost Alaska to the central plateau of Mexico (Aztecs). The social and cultural similarities and differences will be examined in the context of cultural evolutionary theory. Texts are in the form of ethnographies, autobiographies and anthropological novels. 3 hrs. lect., 1 hr. film. Mr. Andrews.

(SA 322 NATIVE PEOPLES OF SOUTH AMERICA)

SA 326 LATIN AMERICAN CULTURE AND SOCIETY. Spring.

(SA 330 PERSPECTIVES OF AMERICAN SOCIETY AND CULTURE)

SA 335 CHINESE SOCIETY AND CULTURE. Spring.

(SA 336 INDIAN SOCIETY)

SOCIAL PROCESS AND SOCIAL PROBLEMS

SA 343 AMERICAN COMMUNITY STUDIES. Fall.

(SA 344 URBAN SOCIOLOGY)

SA 352 SOCIAL PSYCHOLOGY. Spring.

(SA 354 RACE AND ETHNICITY)

(SA 356 ANTHROPOLOGY OF CHANGE AND DEVELOPMENT)

SA 382 SYMBOLIC ANTHROPOLOGY. Spring. Staff.

SA 388 DEVIANCE. Fall.

SA 389 THE SOCIOLOGY OF MENTAL ILLNESS. Spring. New Course. The course explores a variety of sociological issues and approaches to the study of mental illness. Among the issues considered are: 1) models of "madness" (i.e., medical model, labeling theory, socio-cultural origins of mental disorder); 2) characteristics of and historical trends in the social organization of mental health care (e.g., asylum, therapy, and community-based care); and, 3) contemporary controversies concerning the treatment of mental illness (e.g., deinstitutionalization). Mr. Rochford.

SA 500 ADVANCED INDIVIDUAL STUDY. Fall, Spring.

SENIOR PROGRAM

SA 700 SENIOR ESSAY. Fall.

SA 710 SENIOR THESIS. Fall, Winter.

SPANISH/ITALIAN

Professor: Roberto Véquez. Associate Professors: Alicia Andreu, Ugo Skubikowski. Assistant Professors: Eduardo Béjar, Fabio Girelli-Carasi, Patricia Zupan (on leave all year). Lecturer: Judith Liskin-Gasparro.

SPANISH

N.B. All Spanish course numbers are preceded by "SP" rather than "SI."

SP 101 INTENSIVE BEGINNING SPANISH. Fall. New Description. An introduction to the Spanish language that provides a foundation in both spoken and written Spanish. An integrated program focusing on vocabulary development, conversation practice, and the rapid mastery of basic structures, encourages students to develop skills in a personalized context. Six class meetings per week (three grammar/conversation classes, two drill sections, and one hour of language laboratory). Ms. Liskin-Gasparro, Mr. Véquez.

SP 102 INTENSIVE BEGINNING SPANISH. Winter. New Course. A continuation of SP 101, required for enrolling in SP 103. Mr. Béjar and staff.

SP 103 INTENSIVE BEGINNING SPANISH. Spring. New Title and Description. A continuation of SP 102. Emphasis on increased oral proficiency in the language through continued conversation, vocabulary development, and mastery of structures. Films, Spanish-language television, and short contemporary prose and poetry selections will be used to strengthen students' listening and reading comprehension and enlarge their view of Hispanic life and culture. Six class meetings per week. Ms. Liskin-Gasparro and Staff.

*SP 130 LATIN AMERICAN LITERATURE: CHRONICLES OF CHANGE. Fall. New Course. When the New World was "discovered" by Christopher Columbus in 1492, the European conception of the world was changed forever. Since that time, the writers born of the subsequent encounters of African, Iberian and indigenous American cultures have endeavored to describe and define the new realities in both the natural and the social order. This course will place most emphasis on masterworks of modern Latin American prose and poetry, confronting experimental form and social context. Course will include relevant films and a special section on literature from Central America. Writers include García Márquez, Borges, Neruda, Puig, Rugama, and others. Staff.

SP 201 INTERMEDIATE SPANISH. Fall, Spring.

SP 219 SELF-EXPRESSION IN SPANISH. Fall, Spring.

SP 220 SPANISH CONVERSATION. Spring.

(*SP 231 CAPTAINS, KINGS AND CAUDILLOS (IN ENGLISH))

SP 300 AN INTRODUCTION TO THE STUDY OF HISPANIC LITERATURE. Fall, Spring.

SP 301 THE LITERATURE OF SPAIN FROM THE MIDDLE AGES TO THE PRESENT. Spring. New Title.

SP 303 THE LITERATURE OF SPANISH AMERICA FROM THE COLONIAL PERIOD TO THE PRESENT. Fall. New Title and Description. The development of Spanish American letters from its origins in the writings of the conquistadores to the avant-garde literature of the present. Staff.

SP 315 EL ARTE DE LA TRADUCCION: PROBLEMAS Y SOLUCIONES. Deleted.

(SP 330 LATIN AMERICAN CIVILIZATION)

SP 402 CERVANTES Y EL "DON QUIJOTE". Spring.

SP 410 THE "MASS MEDIA" IN SPANISH LITERATURE. Deleted.

(SP 434 TEATRO HISPANOAMERICANO MODERNO: CUESTION DE LIBERTAD)

SP 435 FICCIÓN Y MODERNIDAD EN HISPANOAMÉRICA. Fall. New Course. According to Octavio Paz, the will to transgress, rupture and contravene constitutes the basic drive underlying our culture and cult of the modern. We will examine the spirit of modernity as it is expressed in the fictional context of major Spanish American novelists, from the turn of the century to the present time. Readings will include novels by Silva, Asturias, Cortázar, García Márques, Puig and Arenas. Mr. Béjar.

(SP 440 ANTI-SLAVERY LITERATURE IN SPANISH AMERICA)

SP 441 POESÍA HISPANOAMERICANA: TEORÍA Y PRÁCTICA. Spring. New Course. We will trace the development of poetry in Spanish America from pre-independence through modernismo, but our main focus is the 20th century: post-modernista, vanguardista and post-vanguardista poets. Readings include essays on the role of poetry and the creative process. The emphasis on close reading and students working in small groups will develop critical skills and deepen awareness of the relation of poetry and society. Staff.

(SP 442 LATIN AMERICAN WOMEN WRITERS: EXPANDING THE CANON)

SP 446 HISTORY AND FICTION IN CONTEMPORARY SPAIN. Fall. New Course. The Spanish Civil War and its representation in fiction. Through the study of key historical and literary texts plus films, this course will seek to provide an understanding of the ambiguous relationship between history and fiction. Authors will include White, Jackson, Cela, Laforet, de la Mora, Goytisolo and Delibes. Ms. Andreu.

(SP 450 WOMEN IN HISPANIC LITERATURE)

SP 500 INDEPENDENT STUDY. Fall, Spring.

SP 705 SENIOR HONORS PROJECT. Spring.

ITALIAN

N.B. All Italian course numbers are preceded by "IT" rather than "SI."

IT 151 INTENSIVE BEGINNING ITALIAN. Fall. Mr. Skubikowski, Mr. Girelli-Carasi and Staff.

IT 152/WT INTENSIVE BEGINNING ITALIAN. Winter.

IT 152 INTENSIVE BEGINNING ITALIAN. Spring. Mr. Skubikowski, Mr. Girelli-Carasi and Staff.

IT 251 INTERMEDIATE ITALIAN. Fall. Mr. Skubikowski, Mr. Girelli-Carasi.

IT 252 ADVANCED ITALIAN. Spring.

(IT 275 SELF-EXPRESSION IN ITALIAN)

*IT 290 DANTE (IN ENGLISH). Spring.

*IT 294 THE ITALIAN RENAISSANCE (IN ENGLISH). Deleted.

(IT 298 THE ITALIANS (IN ENGLISH))

(IT 350 CONTEMPORARY ITALIAN CULTURE AND CIVILIZATION)

IT 353 ITALIAN ROMANTICISM. Deleted.

IT 354 EPOCHE DELLA LETTERATURA ITALIANA I: INTRODUZIONE AL PERIODO MODERNO. Fall. Staff.

IT 355 EPOCHE DELLA LETTERATURA ITALIANA II: INTRODUZIONE AL MEDIOEVO. Spring. Staff.

IT 452 LITERATURE OF THE RENAISSANCE. Deleted.

IT 459 MODERN ITALIAN FICTION. Fall. New Description. An introduction to some of the most significant Italian novels of the 20th century, the course will focus on the interplay of the main components of fictional narrative: form, content, themes. Our goal will be to analyze the relationship between the text and the narrator using a variety of critical methodologies, from psychoanalysis to structuralism. We will concentrate on how to formulate and test our own hypotheses vis-a-vis "expert opinions." Each novel will be analyzed as an implicit essay on the writing of novels with particular attention to the distinction between involuntary and voluntary messages. Works of the following authors will be chosen: Aleramo, Fallaci, Pratolini, Calvino, Pavese, Sciascia. Critical reading from works of Booth, Gramsci, Eco, Lukacs. Mr. Girelli-Carasi.

(IT 484 MODERN ITALIAN POETRY)

IT 490 DANTE IN ITALIAN. Spring. Mr. Skubikowski.

IT 550 INDEPENDENT STUDY. Fall, Spring.

IT 750 SENIOR SEMINAR. Deleted.

TEACHER EDUCATION

Associate Professor: Richard Dollase (chair). Lecturers: Joanna Hall, Betsy Thurber.

Major Program. Under Requirements for Elementary Certification (K-6), add a new category as follows between 4) and 5): A winter term course on the methods and materials of teaching the arts and music at the elementary school level.

TE 201 CRITICAL ISSUES IN AMERICAN EDUCATION. Fall.

TE 202 ISSUES OF ADOLESCENT DEVELOPMENT. Spring.

TE 205 METHODS OF TEACHING LANGUAGE ARTS IN THE ELEMENTARY SCHOOL. Spring.

TE 210 METHODS OF TEACHING MATHEMATICS AND SCIENCE IN THE ELEMENTARY SCHOOL. Fall.

TE 220 TEACHING READING AND STUDY SKILLS IN SECONDARY SCHOOL SUBJECTS. Fall.

TE 305 CONTEMPORARY TOPICS IN HIGHER EDUCATION. Spring.

TE 404 CURRICULUM DEVELOPMENT IN ELEMENTARY SCHOOLS. Fall, Spring.

TE 405-406-407 STUDENT TEACHING IN ELEMENTARY EDUCATION. Fall, Spring.

TE 414 PROBLEMS AND METHODS IN SECONDARY EDUCATION. Fall, Spring.

TE 415-416-417 STUDENT TEACHING IN THE SECONDARY SCHOOL. Fall, Spring.

FIELD EXPERIENCE IN TEACHER EDUCATION: THE TEACHER ASSISTANT PROGRAM. Winter.

THE PROFESSIONAL SEMESTER

Add new paragraph 2: The Ninth Semester Program. Students who wish to gain teacher certification but are unable to complete the professional semester during their undergraduate years, may apply to undertake student teaching the semester immediately after their graduation. To be eligible, students must complete all pre-practicum course requirements and meet the prerequisites for acceptance into the professional semester (see below). Tuition fee is \$1,000.00. In addition, students will be expected to live off campus and to provide for their own housing and meals. There is no financial aid available for completion of the ninth semester.

Under Prerequisites to the professional semester are as follows, change 1. under course requirements to: For elementary certification, successful completion of TE 201 (or an equivalent course in the foundations of education), TE 205, TE 210, a winter term methods course in the arts and music, and a one-semester course in science.

THEATRE, DANCE AND FILM

Professors: Ted Perry (chair), Chandler A. Potter, Douglas Sprigg. Assistant Professors: Andrea Olsen, Richard Romagnoli, Cheryl Faraone. Visiting Lecturer: Penny Campbell. Technical Director: Richard Forman. Assistant Technical Directors: David Zemmels, Bryan Schofield.

Major Program. Replace all copy with:
The Department of Theatre, Dance, and Film provides intensive exposure to three artistic forms. Students electing a major can expect to pursue acting, directing, design, playwriting, dramatic literature, dance, film study, or video making.

All majors take the following courses: THE CREATIVE PROCESS (TH 116), JUNIOR INDEPENDENT PROJECT (TH 500), SENIOR INDEPENDENT PROJECT (TH 700).

In addition to these core courses, students majoring in this department will choose an emphasis in theatre, dance or film.

THE THEATRE EMPHASIS

Designed to encourage creativity, artistic excellence, and a vigorous exploration of the current and historical possibilities for theatrical expression, the theatre program guides students towards an integrated understanding of all aspects of the theatrical experience while sharpening their creative skills as actors, directors, designers, and playwrights.

Students choosing the theatre emphasis will take DIRECTING I (TH 214), DESIGN (TH 211), and three courses in Drama (see below). Students will also select, in consultation with their adviser, four courses in either Performance or Design (see below).

DRAMA: INTRODUCTION TO DRAMA STUDY (TH 106), AMERICAN DRAMA (TH 216), MODERN DRAMA (TH 226), TWENTIETH CENTURY EXPERIMENTS (TH 306), SHAKESPEARE (EL 321), EUROPEAN DRAMA (EL 111).

PERFORMANCE: ACTING I (TH 102), ACTING II (TH 202), DIRECTING II (TH 224), VOICE FOR THE ACTOR (TH 302), MOVEMENT INTENTIONALITY (TH 279), PRODUCTION STUDIO: PERFORMANCE (TH 210/220)*, PLAYWRITING I (TH 218), NEW PLAYS: PLAYWRIGHT AND DIRECTORS (TH 228), SPRING REP (TH 419)*.

DESIGN: SCENE DESIGN (TH 211), LIGHTING DESIGN (TH 213), COSTUME DESIGN (TH 325), PRODUCTION STUDIO: DESIGN (TH 219/229)*, SPRING REP (TH 419)*, ART HISTORY (AR 101), STUDIO ART I (AR 209), STUDIO ART II (AR 210).

(*ONLY ONE)

THE DANCE EMPHASIS

Central to the dance emphasis is the development of the creative artist through practice and studies in modern dance technique and choreography, history, theory, and performance. Additional depth and range are achieved through work in theatre, art, music and philosophy. Independent projects in the junior and senior years consolidate learning in special areas of interest.

DANCE HISTORY (TH 284), AESTHETICS (PA 233) and three terms of technique above the 200 level are required for the dance emphasis. Two courses chosen from the regular fall and spring course offerings in the dance program, two studio courses in theatre, and one course each in music and art complete the recommended program of study for the dance emphasis.

THE FILM EMPHASIS

The study of film and video are viewed in their broadest cultural implications and as independent art forms. While course offerings stress the historical and critical study of film, opportunities exist for students to make films (using video) in course work and in junior and senior independent projects.

Students who select a film emphasis take FILM FORM AND FILM SENSE (TH 130) and FILM HISTORY (TH 231). In addition, majors select, in consultation with their adviser, four additional film courses taught within the department during the regular term. Five additional related courses are required for the film emphasis; they are chosen, in consultation with the student's adviser, from among the college's offerings in 20th Century art, history, political science, literature, theatre, literary criticism, aesthetics, and American culture.

Honors: Students who maintain an average of B+ or better for courses taken within the department are eligible for departmental honors. Honors, High Honors, or Highest Honors will be awarded based upon both the quality of a student's work in courses and the quality of the SENIOR INDEPENDENT PROJECT, TH 700.

International Major: Students may choose to pursue an International Major in the department by taking the normal number and sequence of courses for the major, plus two to four courses in the discipline taught in a foreign language at a Middlebury School Abroad or an approved equivalent, plus an advanced course in the department of the student's foreign language. Normally the TH 700 project will make use of the student's work in the foreign language.

FRESHMAN WRITING PROGRAM

If the student registers for the freshman writing section, then TH 130 FILM FORM AND FILM SENSE, fulfills the freshman writing requirement. (See description below, under FILM STUDY COURSES.)

(TH 106 INTRODUCTION TO DRAMA STUDY)

DEPARTMENTAL COURSES

*TH 116 THE CREATIVE PROCESS: THEATRE, DANCE, FILM. Fall, Spring. New Prerequisites. (Open to freshmen and sophomores.) Ms. Faraone.

TH 408 INTERPLAY: THEATRE, DANCE, FILM. Fall. New Course. While theatre, dance, and film use very different media (the body, the voice, language, moving images, sound), they share certain expressive and performance concerns. In this course, students and faculty from all three programs will focus on the interaction of theatre, dance, and film, in order to create a work that combines all three forms. Mr. Perry, Ms. Faraone, Ms. Campbell.

TH 500 INTERMEDIATE INDEPENDENT PROJECT. Fall, Spring.

TH 700 SENIOR PROJECT. Fall, Spring.

THEATRE COURSES

TH 102 ACTING I. Fall, Spring. Mr. Sprigg, Mr. Romagnoli.

*TH 116 THE CREATIVE PROCESS. (See above.)

TH 202 ACTING II. Spring. Mr. Romagnoli.

TH 211 DESIGN. Fall. New Title and Description. Developing visual schemes from the idea through the sketch or model. Class discussion, demonstrations and exercises lead to several design projects by director/designer teams. Students with studio art experience have found this work to be interesting and challenging, but previous training in drawing is not necessary. (TH 116, or permission.) Mr. Potter.

TH 213 LIGHTING DESIGN. Fall.

TH 214 DIRECTING I. Fall. Mr. Romagnoli.

(TH 216 AMERICAN DRAMA)

TH 218 PLAYWRITING I. Fall, Spring. New Title and Description. Unlike fiction, a play uses actors on a stage to tell a story to an audience. The language of the characters, the tip of the iceberg, suggests depths of unspoken experience and stimulates the actor to discover and recreate that experience in the language of movement, gesture, tone, tempo, inflection. Readings and exercises will explore ways in which playwrights can use language to create a score or blueprint for that three-dimensional, temporal behavior which constitutes the theatrical event. These exercises, combined with a study of dramatic structure, will lead to the writing of several drafts of a short play. (An introductory writing course, an introductory theatre course, or permission.) Mr. Sprigg.

(TH 221 SCENE DESIGN)

(TH 224 DIRECTING II)

(TH 226 MODERN DRAMA)

TH 228 NEW PLAYS: PLAYWRIGHTS AND DIRECTORS. Spring. New Title and Description. A play is not completed until the playwright has had the opportunity to rethink and, if necessary, rework the script in the process of preparing it for production. In this course, playwrights who have produced advanced work in Playwriting I are given the opportunity to work on their scripts in conjunction with student directors, and directors who have taken Directing I are given the opportunity to collaborate with student playwrights on the development of new scripts. The course will produce play readings and a final evening of new works. (TH 218, TH 214, or permission.) Mr. Sprigg.

(TH 302 VOICE FOR THE ACTOR)

TH 306 TWENTIETH CENTURY EXPERIMENTS. Spring. New Description. An exploration of radical theatre movements, their social and political implications, and some of the major theoreticians and practitioners beginning with the shift from Stanislavskian realism. Subjects include Meyerhold and the Soviet theatre, the Bauhaus, Appia, Artaud, Brecht, Living Theatre, Open Theatre, Grotowski, Bread and Puppet, Performance Group, Peter Brook, Richard Foreman, Mabou Mines, Robert Wilson, the Women's Theatre Movement. Ms. Farone.

(TH 325 COSTUME DESIGN)

TH 402 ACTING III. Fall. New Course. This course will serve as an intensive exposure for the performer to non-naturalistic acting, beginning with the Greeks, continuing through Shakespeare, Restoration and 18th century, 20th century drawing room comedy, and ending with contemporary absurdist playwrights. Emphasis is first on an emotional and intellectual understanding of the texts, then on their fullest physical and vocal expression. The course is designed for students who have had at least one of the courses in the acting sequence and some prior stage experience. (TH 101, TH 202 or TH 302.) Ms. Faraone.

TH 419 SPECIAL TOPICS: SPRING REPERTORY PRODUCTION COMPANY. Formerly TH 409. Spring. Mr. Sprigg, Ms. Faraone.

TH 500 INTERMEDIATE INDEPENDENT PROJECT. (See above, under DEPARTMENTAL COURSES.)

TH 700 SENIOR PROJECT. (See above, under DEPARTMENTAL COURSES.)

PRODUCTION STUDIOS

TH 210 PRODUCTION STUDIO: ACTING/DIRECTING. Fall. Mr. Romagnoli.

TH 219 PRODUCTION STUDIO: DESIGN/PRODUCTION. Fall.

(TH 220 PRODUCTION STUDIO: ACTING/DIRECTING)

(TH 229 PRODUCTION STUDIO: DESIGN/PRODUCTION)

DANCE COURSES

TH 160 INTRODUCTORY DANCE. Fall, Spring. Ms. Campbell, Ms. Olsen.

TH 161/162 ADVANCED BEGINNING DANCE. Fall, Spring. Ms. Campbell.

TH 260 INTERMEDIATE DANCE I. Fall. Ms. Olsen.

TH 261 INTERMEDIATE DANCE II. Spring.

TH 276 ANATOMY AND KINESIOLOGY. Fall, Spring. New Description. The study of skeletal structure, joint and muscle function, and the analysis of body mechanics. A kinesthetic examination of specific joints and muscle groups in body weight transfer, developing awareness of habits, misalignment, effort, energy consumption and chronic tension. The course will emphasize the movement potential of man in his vertical position, aligned to gravity, through laboratory sessions and assigned readings. (Not open to freshmen.) Ms. Olsen.

(TH 279 MOVEMENT INTENTIONALITY FOR THE STAGE)

(TH 284 DANCE HISTORY)

TH 360 ADVANCED DANCE I. Fall. Ms. Olsen.

TH 361 ADVANCED DANCE II. Spring. Ms. Campbell.

TH 380/381 DANCE COMPANY OF MIDDLEBURY. Fall, Spring. Ms. Olsen.

FILM STUDY COURSES

*TH 130 FILM FORM AND FILM SENSE. Fall. One section of this course fulfills the freshman writing requirement.

TH 231 FILM HISTORY. Fall, Spring. Mr. Perry.

(TH 232 INDEPENDENT CINEMA)

(TH 234 AMERICAN FILM GENRES)

TH 235 SIGHT AND SOUND. Fall. Mr. Perry.

TH 236 TELEVISION AS CULTURE. Fall. New Course. The structure, form, and content of television are analyzed as a means to understand the ways

in which the medium both informs and reflects American culture. Particular attention is given to the complex process through which television, as a signifying practice, produces its meanings. Viewings, readings, and written reports. (TH 130 or permission.) Staff.

TH 237 JAPANESE CINEMA. Spring. New Course. An intensive study of the particular historical and stylistic contributions of the major directors of the pre-and postwar period. This study centers on the specifically filmic aspects of such directors as Kurosawa, Ozu, Mizoguchi, and Naruse, among others, considered not only in relation to Japanese culture but also within the context of international cinema. Screenings, readings, and written reports. (TH 130 or permission.) Staff.

TH 238 THIRD WORLD CINEMA. Spring. New Course. Some of the most innovative and politically relevant cinema of recent years has been produced within Africa, Latin America, and Southeast Asia. This course analyzes a selected number of these works, placing them within their historical context, in order to understand them as cultural artifacts and as examples of cinema in the service of political ideology. Screenings, readings, written reports. (TH 130 or permission.) Staff.

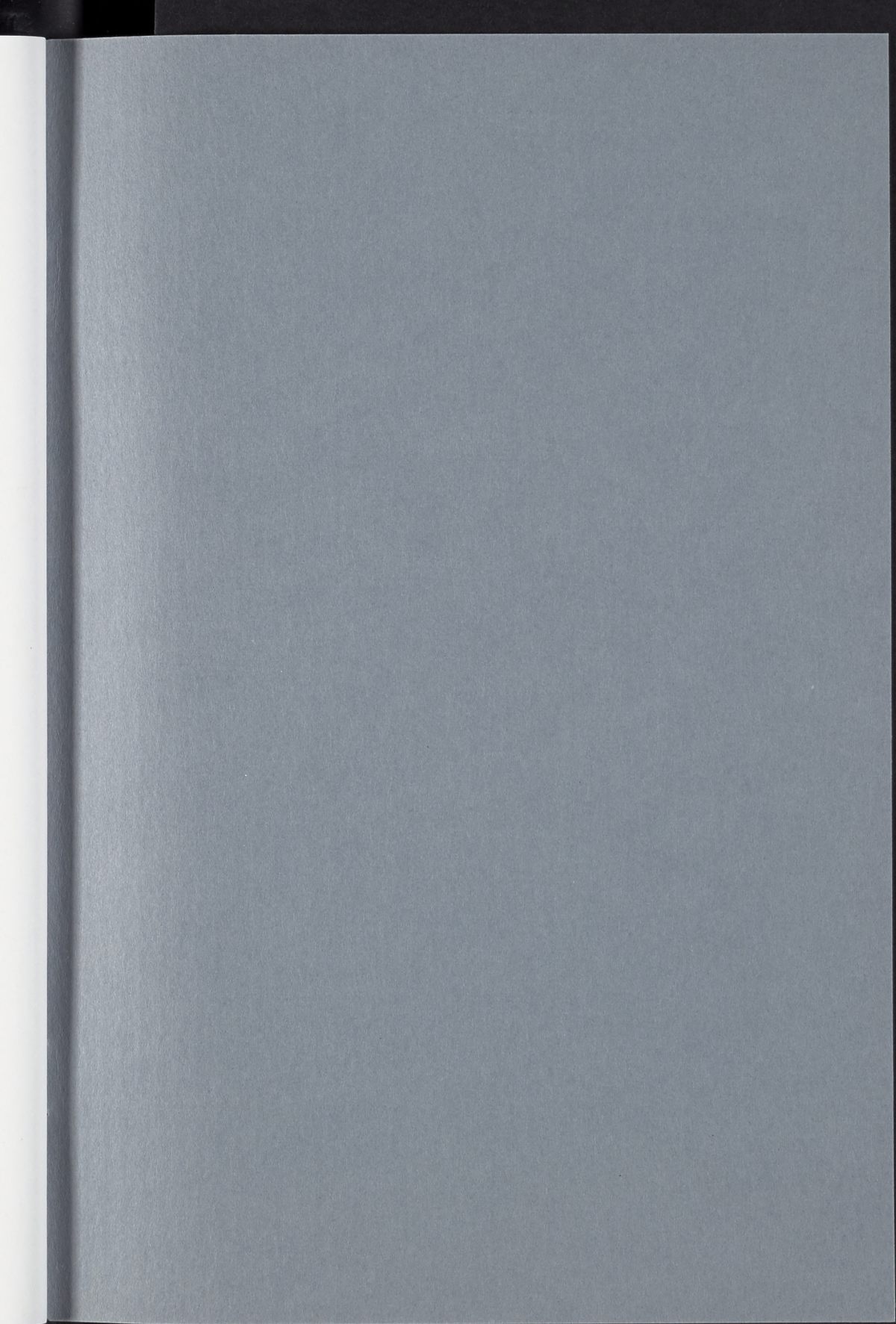
(TH 330 FILM AND MODERNISM)

TH 331 FILMS OF ANTONIONI. Deleted. (See new TH 331, below.)

TH 331 SIGHT AND SOUND II. Spring. New Course. Students who have successfully completed TH 235 (Sight and Sound) may enroll in this course in order to write, direct, and edit longer moving image projects using the College's video facilities. Emphasis is placed upon thorough pre-production effort in order to make sure that the student actually is able to complete the project he/she intends. (TH 235.) Mr. Perry.

(TH 332 WORKSHOP IN FILM CRITICISM)

TH 430 SPECIAL TOPICS: SIGHT AND SOUND II. Deleted. See TH 331, above.



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